Lower Colorado River Accounting System

Demonstration of Technology

Documentation for Calendar Year 2000

Appendix I: Part 2

Water Balance and Consumptive Use Calculations

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Appendix I, Part 2

Water Balance and Consumptive Use Calculations

Introduction

This document presents the water balance used by the Lower Colorado River Accounting System and the resultant consumptive use (CU) and water use (WU) values for Calendar Year 2000.

Water-Balance Tables Description

The tables that display the water balance and the data and calculations used to calculate CU and WU are referred to as the water-balance tables.

The water-balance tables display the calculations of inflows, outflows, and the residual of the water balance. The water-balance tables also display the distribution of the residual to each of the inflow and outflow values in proportion to the magnitude and the variance (the square of the standard error of estimate) of each inflow and outflow value.

The algebraic sum of the evapotranspiration (ET) of crops and phreatophytes and the portion of the residual distributed to crop and phreatophyte ET provides the final estimate of crop CU and phreatophyte WU. The algebraic sum of the initial estimate of domestic use and the portion of the residual distributed to domestic use provides the final estimate of domestic consumptive use. As the residual can be either a positive or negative number, crop CU and phreatophyte WU can be slightly larger or smaller than crop and phreatophyte ET. Similarly, the final estimate of domestic consumptive use can be slightly larger or smaller than the initial estimate.

Each water-balance table consists of several sheets. The first sheet is a summary sheet, labeled sheet A, and includes the annual water balance, the distribution of the residual, the standard error of estimate (SEE) values used to distribute the residual, the resultant SEE of the distributed values, and the resultant values of crop and domestic CU and phreatophyte WU within the reach as a whole, and for each diverter within the reach.

The sheets following sheet A (labeled sheets B, C, ... AK[1]) are used to store data and the results of intermediate calculations. Each sheet is titled and generally reports one topic. At the top of each sheet is a summary or total of the calculations made on that sheet, the source of the data displayed on the sheet, and the type of calculations performed within the sheet. A more detailed description of each sheet of the water-balance tables is presented in the following paragraphs.

The basic water-balance equation is:

Inflow-Outflow = Residual.[2]

The inflows are:

Q_{us}	=	Flow at upstream reach boundary.
T_{rm}	=	Measured tributary inflow.
T_{rum}	=	Unmeasured tributary inflow.

The outflows are:

Q_{ex}	=	Export flow.
S_r	=	Change in reservoir storage.
CU_d	=	Domestic use (includes municipal and industrial use).
ET_{crop}	=	Crop evapotranspiration.
ET_{pht}	=	Phreatophyte evapotranspiration.
E	=	Open-water evaporation.
S_a	=	Change in aquifer storage.
Q_{ds}	=	Flow at downstream reach boundary.

The equation used to perform the water balance for calendar year 2000 is shown below.

$$Q_{res} = Q_{dif} + T_{rm} + T_{rum} - Q_{ex} - S_r - CU_d - ET_{crop} - ET_{pht} - E - S_a$$

Where: $Q_{dif} = Q_{us} - Q_{ds}$

The name of each water-balance table corresponds to the upstream and downstream dam or measurement point which forms the boundaries of the reach being balanced.

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[1] Not all water-balance tables have the same number of sheets. The number of sheets varies varies with the number of diverters balanced by each table.

[2] The residual may be either a positive or negative value.

The water-balance tables created for the 2000 LCRAS demonstration of technology are:

Hoover Dam to Davis Dam,
Davis Dam to Parker Dam,
Parker Dam to Imperial Dam, and
Imperial Dam to Mexico[3].

The sheets described below have the same format in each water-balance table.

Annual water-balance sheet

This sheet, labeled Sheet A, consists of up to three pages depending upon the number of diverters within the reach. Page 1 of Sheet A displays calculations of the annual water balance, the residual, the distribution of the residual, the presumed SEE of each inflow and outflow, the distributed values, the resultant SEE of each distributed value, and the resultant values of crop and domestic CU and phreatophyte WU. The annual distributed values of crop ET and domestic use are the crop and domestic CU within the reach. The annual distributed value of phreatophyte ET is the final estimate of phreatophyte WU within the reach.

At the top of page 1 of Sheet A, the annual values for the upstream and downstream flows of the reach are shown (Q_{us} and Q_{ds}), along with the calculation of Q_{dif} (Q_{us}-Q_{ds}).

Shown next on page 1 of Sheet A is the calculation of the SEE (in acre-feet) and variance (in acre-feet squared) of reservoir contents within the reach, or other parts of the water balance where the SEE, in acre-feet, cannot be calculated simply as a presumed SEE, in percent, times the inflow or outflow value in acre-feet.

Shown next, on page 1 of Sheet A, is the water balance and the distribution of the residual. The values in the column labeled “Undistributed Annual Values” are the initial estimates of inflow and outflow used in the water balance.

The values in the column labeled “SEE in %” are the presumed SEE, in percent, of each inflow and outflow of the water balance. These percentage values are used to calculate the SEE in acre-feet, or are the resultant SEE in percentage from calculations on previous lines which yield the SEE in acre-feet. N/A (not applicable) in this column indicates that the SEE, in terms of percent, has no meaning.

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[3] This reach includes all flows to Mexico, including the deliveries at the Northerly International Boundary and the Land Boundary near San Luis, Arizona, and underflow that crosses into Mexico from Arizona.

The values in the column labeled “SEE in Acre-Feet” are the SEE values in acre-feet, and the values in the column labeled “Variance in Acre-Feet^2" are the variance values (SEE squared) of each inflow and outflow of the water balance in acre-feet squared.

The values in the column labeled “Distributed Residual” are the amount of the residual distributed to each inflow and outflow of the water balance in acre-feet, and the values in the column labeled “Distributed Annual Value” are the final estimates of the inflow and outflow values in acre-feet. The final estimate of crop ET is crop CU, the final estimate of domestic use is domestic CU, and the final estimate of phreatophyte ET is phreatophyte WU.

The columns labeled “SEE of Distributed Annual Values”, “Percent”, or “Acre-Feet” display the SEE of each of the resultant inflow and outflow values of the water balance after the residual has been distributed. Comparing the value in the column labeled, “SEE of Distributed Annual Values”, “Acre-Feet” with the value in the column labeled “SEE in Acre-Feet”, or comparing the value in the column labeled, “SEE of Distributed Annual Values”, “Percent” with the value in the column labeled “SEE in %”, quantifies the improvement in the SEE of the water-balance inflow or outflow that results from distributing the residual.

The portion of the residual distributed to each inflow and outflow of the water balance is calculated as shown below.

$$DR = \mathbf{F}^2_{\text{inflow or outflow}} \div \mathbf{F}^2_{\text{sum of inflows and outflows}} * R$$

Where:

DR = The portion of the residual distributed to each inflow or outflow in acre-feet (column labeled “Distributed Residual”),

$\mathbf{F}^2_{\text{inflow or outflow}}$ = the variance of each inflow or outflow of the water balance in acre-feet squared,

$\mathbf{F}^2_{\text{sum of inflows and outflows}}$ = the sum of the variances of all inflows and outflows of the water balance in acre-feet squared and,

R = the value of the residual from the water balance, in acre-feet.

Distributed annual values are calculated by summing the initial estimate (undistributed annual value) and the portion of the residual distributed to each inflow or outflow (distributed residual).

As an example, the calculation of crop consumptive use is shown below.

$$\text{Crop CU} = \text{Crop ET} + DR_{\text{crop ET}}$$

Where:

Crop CU = Crop Consumptive Use,

Crop ET = Crop Evapotranspiration and,

$DR_{\text{crop ET}}$ = the portion of the residual from the water balance distributed to Crop ET (column labeled "Distributed Residual" for the line labeled "Crop Evapotranspiration [ET Crop]").

There are two important check sums on Sheet A that should be observed,

1. The sum of the values in the column labeled "Apportioned Residual", should be equal to the residual of the water balance displayed at the bottom of the column labeled "Undistributed Annual Value" and,

2. The value in the column labeled "Distributed Annual Value" for the line labeled "Residual" should be zero (or some very small number that results from rounding); this value is the residual of the water balance using the distributed annual values (final estimates of inflows and outflows).

Crop and phreatophyte ET, and the initial estimate of domestic use; and crop and domestic CU and the final estimate of phreatophyte WU for each diverter within the reach can be found at the bottom of page 1 of Sheet A in the Hoover Dam to Davis Dam water-balance table, page 2 of Sheet A in the Davis Dam to Parker Dam and the Parker Dam to Imperial Dam water-balance tables, and pages two and three of Sheet A in the Imperial Dam to Mexico water-balance table.

The values in the columns with the following labels:

Crop ET,
Phreatophyte ET and,
Undistributed Domestic Use,

are the crop and phreatophyte ET and initial estimates of domestic use.

The values in the columns with the following labels:

Crop CU,
Phreatophyte WU,
Domestic CU

are the crop and domestic CU and final estimate of phreatophyte WU for each diverter in the reach as identified in the column labeled "Diverter."

The crop CU of each diverter is calculated as follows:

Crop CU (diverter) = Crop ET (diverter) ÷ Crop ET (sum of all diverters within the reach) * the sum of Crop CU (distributed annual values of crop ET) for all diverters in the reach.

The domestic CU of each diverter is calculated as follows:

Domestic CU (diverter) = Initial estimate of Domestic Use (diverter) ÷ initial estimate of Domestic Use (sum of all diverters within the reach) * the sum of Domestic CU (distributed annual values of the initial estimate of Domestic Use) for all diverters in the reach.

The phreatophyte WU of each diverter is calculated as follows:

Phreatophyte WU (diverter) = Phreatophyte ET (diverter) ÷ Phreatophyte ET (sum of all diverters within the reach) * the sum of Phreatophyte WU (distributed annual values of Phreatophyte ET) for all diverters in the reach.

For example, the Crop CU of a diverter named diverter 1 would be calculated as shown below.

$$\text{Crop CU}_{\text{diverter 1}} = \text{Crop ET}_{\text{diverter 1}} \div \text{Sum of Crop ET}_{\text{all diverters}} * \text{Sum of Crop CU}_{\text{all diverters}}$$

Check totals can be found at the bottom of each column that describes results by diverter. These check totals should be reviewed as follows:

The total of the column labeled “Crop ET” should be equal to the Crop Evapotranspiration (ET_{crop}) value in the column labeled “Undistributed Annual Value” in the water balance on page 1 of Sheet A.

The total of the column labeled “Crop CU” should be equal to the Crop Evapotranspiration (ET_{crop}) value in the column labeled “Distributed Annual Value” in the water balance on page 1 of Sheet A.

The total of the column labeled “Phreatophyte ET” should be equal to the Phreatophyte Evapotranspiration (ET_{pht}) value in the column labeled “Undistributed Annual Value” in the water balance on page 1 of Sheet A.

The total of the column labeled “Phreatophyte WU” should be equal to the Phreatophyte Evapotranspiration (ET_{pht}) value in the column labeled “Distributed Annual Value” in the water balance on page 1 of Sheet A.

The total of the column labeled “Undistributed Domestic Use” should be equal to the Domestic, Municipal, & Industrial Use (CU_d) value in the column labeled, “Undistributed Annual Value”, in the water balance on page 1 of Sheet A.

The total of the column labeled “Domestic CU” should be equal to the Domestic, Municipal, & Industrial Use (CU_d) value in the column labeled “Distributed Annual Value” in the water balance on page 1 of Sheet A.

Monthly water-balance sheet

This sheet, labeled Sheet B, displays calculations of the water balance on a monthly basis. The values are from the sheets labeled C through H.

Q_{us} and T_{rm} and T_{rum} inflow components sheet

This sheet, labeled Sheet C, displays the calculations of Q_{us} , T_{rm}, and T_{rum}. The monthly flows from the stations used to calculate Q_{us} (flow entering the reach at the upstream boundary) are summed to produce the annual Q_{us}. Data are from the Geological Survey Arizona database and acoustic velocity meters (AVMs) operated by Reclamation.

T_{rm} (measured tributary inflow) is inflow from the Bill Williams and Gila Rivers. T_{rum} (unmeasured tributary inflow) is unmeasured runoff, unmeasured runoff in tributary streams, and ground-water discharge. The source of data is page 46 of the USGS WSP 2407 or, in the case of inflow from Sacramento Wash, studies done by the Arizona Department of Water Resources[4].

Q_{ex}, S_r, and S_a outflow components sheet

This sheet, labeled Sheet D, displays calculations of monthly values of Q_{ex}, S_r, and S_a. Monthly values of each Q_{ex} (export) are summed to produce the annual Q_{ex}. Data are from the Arizona USGS database and AVMs operated by Reclamation.

New for this report, evaporation from the All American Canal (AAC) between the head works and Station 1117 (below Pilot Knob) and the Gila Gravity Main Canal (GGMC) between the head works and station 792.87 (the Wellton-Mohawk diversion) has been added to the exports from these canals. An explanation of these evaporation calculations is provided in the section below entitled, "E and Q_{ds} outflow components sheet".

S_r (change in reservoir storage) is calculated by subtracting the Beginning of Month (BOM) contents from the End of Month (EOM) contents of the reservoir. The total S_r is the beginning of year contents less the end of year contents of each reservoir in the reach being balanced. Data are from the monthly accumulation sheets compiled by Reclamation.

The initial value of S_a (change in aquifer storage) is assumed to be zero.

CU_d outflow component sheet

CU_d (domestic use) in this report includes any use of Colorado River water that is not used by vegetation or exported from the system. Domestic use includes municipal use, industrial use, and individual household use[5].

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[4] Letter from Greg Wallace, Chief Hydrologist, Arizona Department of Water Resources to Mr. Michael Suggs, Suggs Family Properties, Re: Preliminary Review of Three-Dimensional Groundwater Flow Simulations Incorporating Geology and River, Sterling Property, dated September 4, 1997.

[5] While all water use on wildlife refuges is considered a domestic use, crop and phreatophyte water use on wildlife refuges is not included here.

Domestic uses are initially estimated by

1) subtracting a measured return flow from a measured diversion or,

2) if a measured return flow is unavailable, by applying a consumptive use factor to a measured diversion (usually 0.6) or,

3) if a measured diversion and a measured return flow are unavailable, by applying an annual per-capita consumptive use factor to a population (usually 0.14 acre-feet per capita if turf irrigation is not significant).

In a few cases, domestic uses are initially estimated by a method submitted by a domestic user. The derivation of the consumptive use and per-capita consumptive use factors mentioned above can be found in attachment 7 of Lower Colorado River Accounting System, Demonstration of Technology.

ET_{crop} outflow component sheet

This sheet, labeled Sheet F, displays calculations of monthly ET_{crop} (crop evapotranspiration) of each diverter. The values are totals from sheets I through AK.

New for this report, canal evaporation within the boundaries of agricultural districts and Indian reservations has been added to the ET_{Crop} term. An explanation of these canal evaporation calculations is provided in the section below entitled,"E and Q_{ds} outflow components sheet."

ET_{pht} outflow components sheet

This sheet, labeled Sheet G, displays calculations of monthly ET_{pht} (phreatophyte evapotranspiration) of each diverter. The values are the totals from sheets I through AK.

E and Q_{ds} outflow components sheet

This sheet, labeled Sheet H, displays calculations of monthly evaporation from the mainstream (E), evaporation from major delivery canals, and Q_{ds} (downstream outflow of the reach). Q_{ds} is the sum of all values that make up the downstream outflow of a reach. Data are from the Arizona USGS database and AVMs operated by Reclamation.

Evaporation from the mainstream

E is the sum of evaporation from reservoirs and the open water of the river itself within the reach being balanced. Evaporation is calculated as shown below.

E (acre-feet) = area of open water (acres)* [Evaporation rate (inches)- precipitation (inches)] ÷12

The evaporation rate is calculated as shown below.

Evaporation rate (inches) = reference ET (inches) * evaporation coefficient (dimensionless).

Evaporation is calculated on a monthly basis. The evaporation coefficients (Jensen 1998) are specific to each reach of the Lower Colorado River. The reference ET and precipitation values are monthly totals of daily precipitation values from the ET-Rate Tables (see Appendix I, Part 1).

Evaporation from major delivery canals within irrigation districts Indian reservations

Evaporation from major delivery canals within irrigation districts and Indian reservations, or between irrigation districts and Indian reservations and their point(s) of diversion from the mainstream, is added to the crop evapotranspiration as if an additional "crop." This evaporation is calculated using the same basic technique discussed above for evaporation from the mainstream except that the open-water area used in this calculation is the open-water area in the canal assigned to each irrigation district or Indian reservation. The open-water area in major delivery canals was digitized using a 5-meter panchromatic image acquired on October 20, 1999 by the Indian Remote Sensing IRS 1-C or 1-D sensors.

Major delivery canals were categorized into two groups, those which provide water to a single irrigation district or Indian reservation (single-user canals), and those which provide water to two or more irrigation districts or Indian reservations (shared canals). An example of a single-user canal is the Colorado River Indian Reservation Main Canal and an example of a shared canal is the All American Canal.

Evaporation from a single-user canal is added to the crop ET of the irrigation district or Indian reservation which receives water from the canal. Evaporation from a shared canal is proportioned among the irrigation districts or Indian reservations which receive water from the canal in proportion to the quantity of water delivered and the linear distance of canal through which water flows to reach each district or reservation. The amount of canal evaporation assigned to an irrigation district or Indian reservation which receives water from a shared canal is added to the crop ET calculated for that irrigation district or Indian reservation.

The proportion of the evaporation from a shared canal assigned to each irrigation district or Indian reservation which receives water from the canal begins by calculating the proportionate use of the canal as follows,

1. calculate the average distance each diversion point for each irrigation district or Indian reservation is from the canal head works (these values have units of miles),
2. weight the distances from 1, above, by the diversion at each diversion point for each irrigation district or Indian reservation (these values have units of miles),
3. multiply the value in 2, above, by the total diversion of each irrigation district or Indian reservation (these values have units of acre-foot miles),
4. divide the acre-foot mile values for each irrigation district and Indian reservation by the sum of acre-foot mile values for all irrigation districts and Indian reservations which receive water from the canal (these values are the proportionate use of the canal which can be expressed as fractions or percentages).

The proportionate use of the canal, from the calculations described above, is used to proportion the open-water area of the shared canal among the irrigation districts and Indian reservations which received water from the canal. The open-water area assigned to each irrigation district or Indian reservation is calculated as the proportionate use of the shared canal times the total open-water area of the canal.

Once the proportionate share of the open-water area of the shared canal has been assigned to each irrigation district or Indian reservation, the evaporation assigned to each irrigation district or Indian reservation is calculated on Sheet H of the water balance tables, using the technique discussed above for evaporation from the mainstream substituting the open-water area assigned to each irrigation district and Indian reservation.

Diverter ET sheets

These sheets, labeled sheets I-AK, consist of five pages each. Each sheet displays the calculations of monthly ET_{crop} and ET_{pht} (crop and phreatophyte evapotranspiration) values for a single diverter. Therefore, the number of sheets varies with the number of diverters within each reach. The totals for each diverter are used on the ET_{crop} outflow sheet (Sheet F) and the ET_{pht} outflow sheet (Sheet G).

The first page displays the monthly and annual totals of crop and phreatophyte ET for the diverter (lines labeled “Total Agricultural ET” and “Total Phreatophyte ET” respectively) and the monthly and annual ET of each crop group. The second page displays the monthly and annual ET of each phreatophyte group. ET is calculated as:

$$ET_{\text{crop/phreatophyte group}} \text{ (acre-feet)} = \text{ET rate}_{\text{crop/phreatophyte group}} \text{ (feet)} \ * \ \text{acres}_{\text{crop/phreatophyte group}}$$

The third and fourth pages of the Diverter ET sheets contain the number of acres occupied by each crop and phreatophyte group. These acreages are determined using remote sensing/GIS procedures and onsite inspection performed by Reclamation. The fifth sheet stores the ET rate values from the appropriate ET-Rate Table[6].

[6] The ET-Rate tables calculate the evapotranspiration rate (in feet) of each crop and phreatophyte group based upon reference ET calculated from data collected by AZMET and CIMIS stations. For a more complete description, see Part 1 of this appendix.

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WSP-2407 "An Accounting System for Water and Consumptive Use Along the Colorado River, Hoover Dam to Mexico" By Sandra Owen-Joyce and Lee H. Raymond, United States Geological Survey Water-Supply Paper 2407.

Hoover Dam to Davis Dam

Water-Balance Table

2000 LCRAS Sheet A

Hoover Dam to Davis Dam Water Balance Table 2000 ANNUAL WATER BALANCE

(This sheet calculates the water balance on an annual basis.)

(All values in acre-feet accept where noted)

Calculations for Qdf (Qus - Qds) and SEE for Qdf:		SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2
Flow @ Upstream Boundary (Qus)	10,692,000	1.40%	149,688	22,406,497,344
Flow @ Downstream Boundary (Qds)	10,716,200	2.20%	235,756	55,580,891,536
Difference (Qdf)	(24,200)	-1153.98%	279,262	77,987,388,880

Calculations for Lake Mohave SEE:	Contents	Elevation (ft)	SEE (ft)	Elev. +SEE	Elev.-SEE	Contents at (ELEV.+SEE)	Contents at (Elev.-SEE)	SEE in Acre-Feet	Variance in Acre-Feet^2
Beginning of year	1,588,300	638.91	0.025	638.935	638.885	1,589,050	1,587,700	1,350	1,822,500
End of year	1,608,500	639.66	0.025	639.685	639.635	1,609,000	1,607,700	1,300	1,690,000
Change	20,200	0.75						1,874	3512500

Water Balance:	Undistributed Annual Value	SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2	Distributed Residual	Percent of Residual	Distributed Annual Value	SEE of Annual Values Percent	Distributed Annual Values Acre-Feet
Difference (Qdf)	(24,200)		279,262	77,987,264,644	(177,950)	99.90%	153,750	5.82%	8,955
Inflows:									
Measured Tributary Inflow (Trm)	0	0.00%	0	0	0	0.00%	0	----------	0
Unmeasured Tributary Inflow (Trum)	6,480	30.00%	1,944	3,779,136	(9)	0.01%	6,489	29.96%	1,944
Outflows:									
Export Flow (Qex)	0	0.00%	0	0	0	0.00%	0	----------	0
Change in Reservoir Storage (Sr)	20,200	9.28%	1,874	3,511,876	(8)	0.00%	20,192	9.28%	1,874
Change in Aquifer Storage (Sa)	0	N/A	5,000	25,000,000	(57)	0.03%	(57)	8770.18%	4,999
Domestic,Municipal&Industrial Use (CUd)	728	2.00%	15	225	0	0.00%	728	2.06%	15
Crop Evapotranspiration (ETcrop)	0	0	0	0	0	0.00%	0	----------	0
Phreatophyte Evapotranspiration (ETpht)	936	5.00%	47	2,209	0	0.00%	936	5.02%	47
Open-Water Evaporation (E)	138,549	5.00%	6,927	47,983,329	(109)	0.06%	138,440	5.00%	6,925
Residual:	(178,133)						0		12,666
Residual as a Percentage of Qus:	-1.7%		Total:	78,067,541,419	(183)	100.00%			

Diverter	Crop ET	Crop CU	Phreatophyte ET	Phreatophyte WU	Undistributed Domestic Use	Domestic CU
Lake Mead NRA, AZ	0	0	726	726	0	0
Lake Mead NRA, NV	0	0	210	210	0	0
Cottonwood Cove, NV	0	0	0	0	167	167
Katherine Lnd/Willow Beach AZ	0	0	0	0	561	561
LCRD Prj - Davis Dam AZ (1)	0	0	0	0	0.3	0.3
McAlister Housing Subdivision AZ	0	0	0	0	0	0
Check Totals	0	0	936	936	728	728

2000 LCRAS Sheet B

Hoover Dam to Davis Dam Water Balance Table 2000 MONTHLY WATER BALANCE

(This sheet calculates the water balance on a monthly basis.)

(This sheet uses monthly values from the other sheets.)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
INFLOW													
Qus	750,900	743,800	1,036,000	1,229,000	1,237,000	963,900	1,001,000	926,100	577,000	588,600	776,900	861,800	10,692,000
Trm	0	0	0	0	0	0	0	0	0	0	0	0	0
Trum	540	540	540	540	540	540	540	540	540	540	540	540	6,480
Total	751,440	744,340	1,036,540	1,229,540	1,237,540	964,440	1,001,540	926,640	577,540	589,140	777,440	862,340	10,698,480
OUTFLOW													
Qex	0	0	0	0	0	0	0	0	0	0	0	0	0
Sr	97,000	(21,700)	10,400	23,200	49,700	(46,200)	(30,600)	40,200	(187,700)	(174,500)	123,200	137,200	20,200
Sa	0	0	0	0	0	0	0	0	0	0	0	0	0
Cud	37	47	60	70	86	70	77	88	44	61	68	21	728
ETcrop	0	0	0	0	0	0	0	0	0	0	0	0	0
ETpht	38	47	66	80	120	130	126	106	89	51	42	41	936
E	9,012	7,785	11,585	14,959	18,784	16,215	16,383	13,969	12,442	4,867	5,332	7,218	138,549
Qds	651,900	756,300	1,018,000	1,202,000	1,188,000	1,011,000	1,032,000	885,400	768,500	793,700	671,500	737,900	10,716,200
Total	757,986	742,480	1,040,112	1,240,309	1,256,689	981,215	1,017,986	939,763	593,375	624,178	800,141	882,380	10,876,613
(INFLOW -OUTFLOW)	(6,546)	1,860	(3,572)	(10,769)	(19,149)	(16,775)	(16,446)	(13,123)	(15,835)	(35,038)	(22,701)	(20,040)	(178,133)

	Inflow
Qus	Flow @ Upstream Boundary
Trm	Measured Tributary Inflow
Trum	Unmeasured Tributary Inflow
	Outflow
Qex	Export Flow
Sr	Change in Reservoir Storage
Sa	Change in Aquifer Storage
Cud	Domestic,Municipal&Industrial Use
ETcrop	Crop Evapotranspiration
ETpht	Phreatophyte Evapotranspiration
E	Open-Water Evaporation
Qds	Flow @ Downstream Boundary

2000 LCRAS Sheet C

Hoover Dam to Davis Dam Water Balance Table 2000 Qus, and Trm and Trum INFLOW COMPONENTS

(Sheet to calculate the inflow components Qus and Tr)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
Qus, Flow at upstream boundary													
Total	750900	743800	1036000	1229000	1237000	963900	1001000	926100	577000	588600	776900	861800	10,692,000
Station			from USGS Arizona District database (see data file hoov2dav.wk4)										
Hoover Dam	750900	743800	1036000	1229000	1237000	963900	1001000	926100	577000	588600	776900	861800	10,692,000
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
Trm, Measured Tributary Inflow													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Station													
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
Trum, Unmeasured Tributary Inflow													
Total	540	540	540	540	540	540	540	540	540	540	540	540	6,480
Unmeasured runoff			pg. 46, USGS Water Supply Paper 2407										
Springs	257	257	257	257	257	257	257	257	257	257	257	257	3,080
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Unmeasured runoff in tributary streams			pg. 46, USGS Water Supply Paper 2407										
Unnamed	175	175	175	175	175	175	175	175	175	175	175	175	2,100
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Ground-water discharge			pg. 46, USGS Water Supply Paper 2407										
Unnamed	17	17	17	17	17	17	17	17	17	17	17	17	200
Eldorado Valley	92	92	92	92	92	92	92	92	92	92	92	92	1,100
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet D
Hoover Dam to Davis Dam Water Balance Table 2000 Qex, Sr, and Sa OUTFLOW COMPONENTS

(Sheet to calculate outflow components Qex, Sr, and Sa)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
Qex, Flow Exported													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Station													
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
Sr, Change in Reservoir Storage	- End of Month (EOM) contents [reported 12midnight last day of month]												
	- Beginning of Month (BOM) contents [reported 12midnight last day month prior]												
Total	97000	-21700	10400	23200	49700	-46200	-30600	40200	-187700	-174500	123200	137200	20,200
Reservoir	from USGS District databases & USBR Operations Records (see data file hoov2dav.wk4)												
Mohave													
EOM	1685300	1663600	1674000	1697200	1746900	1700700	1670100	1710300	1522600	1348100	1471300	1608500	
BOM	1588300	1685300	1663600	1674000	1697200	1746900	1700700	1670100	1710300	1522600	1348100	1471300	
Change	97000	-21700	10400	23200	49700	-46200	-30600	40200	-187700	-174500	123200	137200	20,200

EOM	0	0	0	0	0	0	0	0	0	0	0	0	0
BOM	0	0	0	0	0	0	0	0	0	0	0	0	0
Change	0	0	0	0	0	0	0	0	0	0	0	0	0
Sa, Change in Aquifer Storage													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Station	pg. 50, USGS Water Supply Paper 2407												
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet E

Hoover Dam to Davis Dam Water Balance Table 2000 CUd OUTFLOW COMPONENT

(Sheet to calculate the outflow component CUd)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
CUd, Domestic, Municipal and Industrial Use													
Total	37	47	60	70	86	70	77	88	44	61	68	21	728
Consumptive Use (estimated as 60% of diversion per Domestic Water Use Study of Boulder City NV 1988-1992, see file bcwater.wk1)													
Cottonwood Cove, NV	11.02	10.09	10.34	10.38	13.33	14.16	19.70	20.11	16.25	17.47	12.81	11.12	166.8
Katherine Lnd/Willow Beach AZ	25.53	37.04	49.64	59.63	72.71	55.86	57.39	67.69	27.33	43.21	54.75	10.01	560.8
LCRD Prj - Davis Dam AZ (1)	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.01	0.01	0.02	0.03	0.02	0.3
McAlister Housing Subdivision AZ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
----------	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

(1) - Actual Consumptive Use Figures; water pumped into sewage treatment system

Use estimated

Per-capita use rates		0	0	0	0	0	0	0	0	0	0	0	0	0
0	ac-ft per year													
Town Name														
----------	population	0	0	0	0	0	0	0	0	0	0	0	0	
	CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
----------		0	0	0	0	0	0	0	0	0	0	0	0	
	CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
----------		0	0	0	0	0	0	0	0	0	0	0	0	
	CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Per-capita use rates		0	0	0	0	0	0	0	0	0	0	0	0	0
0	ac-ft per year													
Town Name														
----------	population	0	0	0	0	0	0	0	0	0	0	0	0	
	CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
----------		0	0	0	0	0	0	0	0	0	0	0	0	
	CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
----------		0	0	0	0	0	0	0	0	0	0	0	0	
	CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

2000 LCRAS Sheet F

Hoover Dam to Davis Dam Water Balance Table

2000 ETcrop OUTFLOW COMPONENT

(Sheet to calculate outflow component ETcrop)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
ETcrop, Crop Evapotranspiration													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverter													
Lake Mead NRA, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Lake Mead NRA, NV	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet G
Hoover Dam to Davis Dam Water Balance Table 2000 ETpht OUTFLOW COMPONENT

(Sheet to calculate outflow component ETpht)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
ETpht, Phreatophyte Evapotranspiration	38	47	66	80	120	130	126	106	89	51	42	41	936
Diverter													
Lake Mead NRA, AZ	32	40	54	61	90	98	94	79	67	40	34	35	726
Lake Mead NRA, NV	5	7	12	19	29	33	32	27	23	11	7	6	210
0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hoover Dam to Davis Dam Water Balance Table 2000 E and Qds OUTFLOW COMPONENTS

(Sheet to calculate outflow components E and Qds)

		January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)														
Qds Flow at Downstream Boundary (includes Qrf)														
Total		651900	756300	1018000	1202000	1188000	1011000	1032000	885400	768500	793700	671500	737900	10,716,200
Station			from USGS Arizona District database (see data file hoov2dav.wk4)											
Davis Dam		651900	756300	1018000	1202000	1188000	1011000	1032000	885400	768500	793700	671500	737900	10,716,200
----------		0	0	0	0	0	0	0	0	0	0	0	0	0
----------		0	0	0	0	0	0	0	0	0	0	0	0	0
E, Open-Water Evaporation (Surface Evaporation= acres X ((evaporation - precipitation)/12)))														
Total		9012	7785	11585	14959	18784	16215	16383	13969	12442	4867	5332	7218	138,549
Lake														
Mohave	acres	28139	28139	28139	28139	28139	28139	28139	28139	28139	28139	28139	28139	
	Ac-ft	9012	7785	11585	14959	18784	16215	16383	13969	12442	4867	5332	7218	138,549
----------	acres	0	0	0	0	0	0	0	0	0	0	0	0	
	Ac-ft	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	acres	0	0	0	0	0	0	0	0	0	0	0	0	
	Ac-ft	0	0	0	0	0	0	0	0	0	0	0	0	0
Evaporation coefficient, monthly (Jensen 1999)														
		1.22	1.00	0.87	0.73	0.76	0.69	0.71	0.89	0.74	0.58	0.60	0.90	
Reference ET, inches			(THESE VALUES FROM ANOTHER WORKSHEET)											
Mohave AZMET		3.15	3.97	6.38	8.78	10.54	10.21	9.84	8.30	7.17	4.63	3.79	3.42	80.18
----------		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Evaporation, inches (Evaporation = Reference ET X Evaporation coefficient)														
Mohave		3.84	3.97	5.55	6.41	8.01	7.04	6.99	7.39	5.31	2.69	2.27	3.08	62.54
----------		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Precipitation, inches			(THESE VALUES FROM ANOTHER WORKSHEET)											
Ft. Mohave Area (average)		0.00	0.65	0.61	0.03	0.00	0.13	0.00	1.43	0.00	0.61	0.00	0.00	3.46
----------		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hoover Dam to Davis Dam Water Balance Table

(All values in acre-feet)		January	February	March	April	May	June	July	August	September	October	November	December	Total
Open-Water Evaporation Within District and Shared Canal Evaporation (1)														
[added to Diverters Ag ET; Surface Evaporation = acres X ((evaporation - precipitation/12))]														
----------	acres	0	0	0	0	0	0	0	0	0	0	0	0	
(see Sheet *)	Ac-ft	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	acres	0	0	0	0	0	0	0	0	0	0	0	0	
(see Sheet *)	Ac-ft	0	0	0	0	0	0	0	0	0	0	0	0	0

(1) - Open water surface area of larger canals, distribution laterals, and storage ponds distinguishable on 10 meter IRS imagery

Hoover Dam to Davis Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Lake Mead National Recreation Area [NRA], AZ)
(Based on reference ET values from the Mohave AZMET station, and precipitation from the Mohave AZMET & Bullhead City NWS weather stations)
(ET's for each crop/phreatophyte are calculated in filename FMarea00.WK4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Lake Mead NRA, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Lake Mead NRA, AZ	32	40	54	61	90	98	94	79	67	40	34	35	726
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons- spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons- fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Hoover Dam to Davis Dam Water Balance Table

Lake Mead NRA, AZ

Monthly ET values	January	February	March	April	May	June	July	August	September	October	November	December	Total
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	28	35	44	39	46	44	43	36	31	22	25	31	424
Sc-low	3	3	5	12	28	36	35	29	25	13	6	3	199
Sc-high	0	0	1	2	3	3	3	2	2	1	0	0	17
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	2	2	4	8	13	14	14	12	9	4	3	2	86

2000 LCRAS Sheet I, Page 3 of 5 2000 TOTAL DIVERTER ET

Hoover Dam to Davis Dam Water Balance Table

(Sheet to calculate ET for Lake Mead National Recreation Area [NRA], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Lake Mead NRA, AZ												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons- spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons- fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet I, Page 4 of 5 2000 TOTAL DIVERTER ET

Hoover Dam to Davis Dam Water Balance Table

(Sheet to calculate ET for Lake Mead National Recreation Area [NRA], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Lake Mead NRA, AZ Acreages (acres)												
Total Phreatophyte Acres	262	262	262	262	262	262	262	262	262	262	262	262
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	191.46	191.46	191.46	191.46	191.46	191.46	191.46	191.46	191.46	191.46	191.46	191.46
Sc-low	47.05	47.05	47.05	47.05	47.05	47.05	47.05	47.05	47.05	47.05	47.05	47.05
Sc-high	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	19.99	19.99	19.99	19.99	19.99	19.99	19.99	19.99	19.99	19.99	19.99	19.99

2000 LCRAS Sheet I, Page 5 of 5 2000 TOTAL DIVERTER ET

Hoover Dam to Davis Dam Water Balance Table (Sheet to calculate ET for Lake Mead National Recreation Area [NRA], AZ)

Monthly ET values (inches) (From Fmarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.95	3.41	4.33	6.77	7.99	9.19	7.48	6.10	5.52	3.46	3.59	2.40	62.19
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons- spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons- fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Hoover Dam to Davis Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Lake Mead National Recreation Area [NRA], NV)
(Based on reference ET values from the Mohave AZMET station, and precipitation from the Mohave AZMET & Bullhead City NWS weather stations)
(ET's for each crop/phreatophyte are calculated in filename FMarea00.WK4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Lake Mead NRA, NV	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Lake Mead NRA, NV	5	7	12	19	29	33	32	27	23	11	7	6	210
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons- spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons- fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Hoover Dam to Davis Dam Water Balance Table

Lake Mead NRA, NV

Monthly ET values	January	February	March	April	May	June	July	August	September	October	November	December	Total
Marsh	1	1	3	7	8	8	8	7	6	2	1	1	51
Barren	3	4	5	5	6	5	5	4	4	3	3	4	51
Sc-low	1	1	2	5	13	16	16	13	11	6	3	1	89
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	1	2	3	3	3	3	2	1	1	0	19

Hoover Dam to Davis Dam Water Balance Table

(Sheet to calculate ET for Lake Mead National Recreation Area [NRA], NV)

	January	February	March	April	May	June	July	August	September	October	November	December
Lake Mead NRA, NV												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons- spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons- fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet J, Page 4 of 5 2000 TOTAL DIVERTER ET

Hoover Dam to Davis Dam Water Balance Table

(Sheet to calculate ET for Lake Mead National Recreation Area [NRA], NV)

	January	February	March	April	May	June	July	August	September	October	November	December
Lake Mead NRA, NV												
Acreages (acres)												
Total Phreatophyte Acres	57	57	57	57	57	57	57	57	57	57	57	57
Marsh	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19
Barren	23.26	23.26	23.26	23.26	23.26	23.26	23.26	23.26	23.26	23.26	23.26	23.26
Sc-low	20.98	20.98	20.98	20.98	20.98	20.98	20.98	20.98	20.98	20.98	20.98	20.98
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50

2000 LCRAS Sheet J , Page 5 of 5 2000 TOTAL DIVERTER ET

Hoover Dam to Davis Dam Water Balance Table (Sheet to calculate ET for Lake Mead National Recreation Area [NRA], NV)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.95	3.41	4.33	6.77	7.99	9.19	7.48	6.10	5.52	3.46	3.59	2.40	62.19
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons- spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons- fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam

Water-Balance Table

Davis Dam to Parker Dam Water Balance Table 2000 ANNUAL WATER BALANCE

(Note: Revised on 05/23/02. See Sheet I, Page 4 of 5 for Unpublished Correction made to phreatophyte acreages for Bill Williams River section)

(This sheet calculates the water balance on an annual basis.)

(All values in acre-feet accept where noted)

Calculations for Qdf (Qus - Qds) and SEE for Qdf:		SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2
Flow @ Upstream Boundary (Qus)	10,716,200	2.20%	235,756	55,580,891,536
Flow @ Downstream Boundary (Qds)	7,895,700	2.20%	173,705	30,173,427,025
Difference (Qdf)	2,820,500	10.38%	292,838	

Calculations for Lake Havasu SEE:	Contents	Elevation (ft)	SEE (ft)	Elev.+SEE	Elev.-SEE	Contents at Elev.+SEE	Contents at Elev.-SEE	SEE in Acre-Feet	Variance in Acre-Feet^2
Beginning of year	546,400	446.20	0.025	446.225	446.175	546,750	545,850	900	810,000
End of year	547,400	446.26	0.025	446.285	446.235	547,800	546,900	900	810,000
Change	1,000	0.06						1,273	

Calculation of SEE for Bill Williams River inflow:	Value (AF)	SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2
Flow blw Alamo Dam	16,960	3.00%	509	259,081
Unmeasured runoff	4,000	30.00%	1,200	1,440,000
Ground-water discharge	4,000	30.00%	1,200	1,440,000
ET - crops	1,363	5.00%	68	4,624
ET - phreatophytes	37,135	5.00%	1,857	3,448,449
Evaporation	163	5.00%	8	64
For total annual inflow from the Bill williams River see sheet C.			2,568	

Water Balance:	Undistributed Annual Value	SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2	Distributed Residual	Percent of Residual	Distributed Annual Value	SEE of Annual Percent	Distributed Values Acre-Feet
Difference (Qdf)	2,820,500	10.38%	292,838	85,754,094,244	(264,817)	96.27%	3,085,317	1.83%	56,583
Inflows:									
Measured Tributary Inflow (Trm)	3,750	68.48%	2,568	6,594,624	(20)	0.01%	3,770	68.12%	2,568
Unmeasured Tributary Inflow (Trum)	36,290	30.00%	10,887	118,526,769	(366)	0.13%	36,656	29.68%	10,880
Outflow									
Export Flow (Qex)	2,724,172	2.00%	54,483	2,968,397,289	(9,167)	3.33%	2,715,005	1.97%	53,568
Change in Reservoir Storage (Sr)	1,000	127.30%	1,273	1,620,529	(5)	0.00%	995	127.94%	1,273
Change in Aquifer Storage (Sa)	0	N/A	10,000	100,000,000	(309)	0.11%	(309)	3234.30%	9,994
Domestic,Municipal, & Industrial Use (CUd)	35,825	2.00%	717	514,089	(2)	0.00%	35,823	2.00%	717
Crop Evapotranspiration (ETcrop)	78,169	5.00%	3,908	15,272,464	(47)	0.02%	78,122	5.00%	3,908
Phreatophyte Evapotranspiration (ETpht)	179,881	5.00%	8,994	80,892,036	(250)	0.09%	179,631	5.00%	8,990
Open-Water Evaporation (E)	116,580	5.00%	5,829	33,977,241	(105)	0.04%	116,475	5.00%	5,828
Residual	(275,087)				(275,088)		1		80,176
Residual as a percentage of Qus:	-2.57%		Total:	89,079,889,285		100.00%			

2000 LCRAS

Davis Dam to Parker Dam Water Balance Table
Final Results by Diverter

Diverter		Crop ET	Crop CU	Phreatophyte ET	Phreatophyte WU	Undistributed Domestic Use	Domestic CU	Undistributed Export	Distributed Export
Bill Williams NWR, AZ		0	0	647	646				
Chemehuevi IR, CA		217	217	51	51				
Fort Mojave IR, AZ		37,841	37,818	34,197	34,149				
Fort Mojave IR, CA		13,287	13,279	4,743	4,736				
Fort Mojave IR, NV		2,142	2,141	8,251	8,240				
Havasu NWR, AZ		405	405	51,090	51,019				
Havasu NWR, CA		0	0	6,182	6,173				
Havasu State Park, AZ		0	0	3,730	3,725				
Lake Mead NRA, AZ		0	0	390	389				
Lake Mead NRA, NV		0	0	109	109				
Moabi Park, CA		0	0	272	272				
Mojave Valley IDD, AZ		22,980	22,966	34,526	34,478				
State of AZ		0	0	4,169	4,163				
State of CA		1,297	1,296	19,530	19,503				
State of NV		0	0	11,995	11,978				
	0	0	0	0	0				
Bullhead City, AZ						4,877	4,876		
MVIDD Domestic, AZ						2,788	2,788		
Big Bend Water Dist NV (1)						2,168	2,168		
Southern CA Ed., NV (2)						13,402	13,401		
Golden Shores Wtr Cons Dist, AZ (3)						328	328		
Havasu Water Co., AZ						391	391		
Needles, CA (4)						824	824		
Havasu Water Co., CA						36	36		
Mohave Wtr Cons Dist AZ						417	417		
Lake Havasu City & MCWA, AZ (5)						8,777	8,776		
Sportsman's Park, NV (6)						0	0		
Boy Scouts, NV						1	1		
Southern CA Gas, CA						47	47		
BLM-Black Meadow CA						114	114		
BLM Permitees, AZ (7)						115	115		
Mohave Co Parks (Davis Dam Camp), AZ						74	74		
Ft Mojave Indian Reservation, NV (Avi) (8)						1,192	1,192		
Crystal Beach Wtr Cons Dist, AZ						54	54		
Ft Mojave Indian Reservation, CA (9)						36	36		
AZ State Parks-Windsor Beach, AZ (10)						12	12		
Pacific Gas & Electric, CA						0	0		
Topock, AZ						126	126		
Chemehuevi, IR, CA						48	48		
MWD(1)								1,300,014	1,295,639
CAP(2)								1,424,158	1,419,366
----------								0	0
	Check Totals	78,169	78,122	179,882	179,631	35,825	35,824	2,724,172	2,715,005

2000 LCRAS Sheet B

Davis Dam to Parker Dam Water Balance Table 2000 MONTHLY WATER BALANCE

(This sheet calculates the water balance on a monthly basis.)
(This sheet uses monthly values from the other sheets.)

(All values in acre-feet)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
INFLOW													
Qus	651,900	756,300	1,018,000	1,202,000	1,188,000	1,011,000	1,032,000	885,400	768,500	793,700	671,500	737,900	10,716,200
Trm	1,102	718	0	0	0	0	0	0	0	26	814	1,089	3,750
Trum	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	36,290
Total	656,026	760,042	1,021,024	1,205,024	1,191,024	1,014,024	1,035,024	888,424	771,524	796,750	675,339	742,013	10,756,240
OUTFLOW													
Qex	234,674	248,412	281,106	281,932	295,225	177,472	171,273	167,036	148,984	164,680	255,273	298,105	2,724,172
Sr	6,100	(14,200)	4,700	32,700	18,200	(900)	(16,900)	19,100	(29,300)	21,600	(46,000)	5,900	1,000
Sa	0	0	0	0	0	0	0	0	0	0	0	0	0
Cud	2,354	2,210	2,620	2,391	3,133	3,550	4,037	3,790	3,596	2,953	2,654	2,537	35,825
ETcrop	1,853	3,191	3,948	7,029	9,847	12,486	11,586	10,208	8,188	4,194	3,395	2,244	78,169
ETpht	3,740	4,729	9,008	16,334	26,794	29,389	28,364	23,818	18,812	9,395	5,432	4,067	179,881
E	4,782	4,630	9,999	14,688	18,346	16,888	16,729	9,705	9,287	3,638	4,219	3,669	116,580
Qds	419,300	524,800	712,900	869,600	871,500	821,400	873,700	703,500	668,400	575,700	442,500	412,400	7,895,700
Total	672,803	773,772	1,024,281	1,224,675	1,243,045	1,060,285	1,088,789	937,156	827,966	782,160	667,473	728,921	11,031,327
(INFLOW -OUTFLOW)	(16,776)	(13,730)	(3,257)	(19,651)	(52,021)	(46,261)	(53,765)	(48,732)	(56,442)	14,590	7,866	13,092	(275,087)

	Inflow
Qus	Flow @ Upstream Boundary
Trm	Measured Tributary Inflow
Trum	Unmeasured Tributary Inflow
	Outflow
Qex	Export Flow
Sr	Change in Reservoir Storage
Sa	Change in Aquifer Storage
Cud	Domestic,Municipal&Industrial Use
ETcrop	Crop Evapotranspiration
ETpht	Phreatophyte Evapotranspiration
E	Open-Water Evaporation
Qds	Flow @ Downstream Boundary

2000 LCRAS Sheet C, page 1 of 2

Davis Dam to Parker Dam Water Balance Table 2000 Qus, and Trm and Trum INFLOW COMPONENTS

(Sheet to calculate the inflow components Qus, and Trm and Trum)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
Qus, Flow at upstream boundary													
Total	651,900	756,300	1,018,000	1,202,000	1,188,000	1,011,000	1,032,000	885,400	768,500	793,700	671,500	737,900	10,716,200
Station			from USGS Arizona District database (see data file dav2park.wk4)										
Davis Dam	651900	756300	1018000	1202000	1188000	1011000	1032000	885400	768500	793700	671500	737900	10,716,200
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
Trm, Measured Tributary Inflow													
Total (zero if negative)	1,102	718	0	0	0	0	0	0	0	26	814	1,089	3,750
Station			from calculations presented below										
Bill Williams River (zero if negative)	1,102	718	0	0	0	0	0	0	0	26	814	1,089	3,750
Trum, Unmeasured Tributary Inflow													
Total	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	3,024	36,290
Unmeasured runoff			pg. 46; USGS Water Supply Paper 2407										
Davis Dam to Topock	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	12,000
Topock to Parker Dam	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	15,000
Whipple Mountains	96	96	96	96	96	96	96	96	96	96	96	96	1,150
	0	0	0	0	0	0	0	0	0	0	0	0	0
Unmeasured runoff in tributary streams			pg. 46; USGS Water Supply Paper 2407										
Piute Wash	83	83	83	83	83	83	83	83	83	83	83	83	1,000
Sacramento Wash	208	208	208	208	208	208	208	208	208	208	208	208	2,500
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Ground-water discharge			pg. 46; USGS Water Supply Paper 2407										
Davis Dam to Topock	0	0	0	0	0	0	0	0	0	0	0	0	0
Topock to Parker Dam	73	73	73	73	73	73	73	73	73	73	73	73	880
Piute Valley	192	192	192	192	192	192	192	192	192	192	192	192	2,300
Sacramento Valley *per ADWR study	100	100	100	100	100	100	100	100	100	100	100	100	1,200
Chemehuevi Valley	22	22	22	22	22	22	22	22	22	22	22	22	260

2000 LCRAS Sheet C, Page 2 of 2 2000 Qus, and Trm and Trum INFLOW COMPONENTS

Davis Dam to Parker Dam Water Balance Table

(A mini water-balance is created for the Bill Williams River to calculate the flow arriving at Lake Havasu)

(*Data based on Table 10, pg. 45, USGS Water Supply Paper 2407)

		January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)														
Inflow:			from USGS Arizona District database (see data file dav2park.wk4)											
Flow below Alamo Dam		1440	1320	1360	1360	1410	1370	1410	1410	1360	1510	1490	1520	16,960
*Unmeasured avrg annual runoff		333	333	333	333	333	333	333	333	333	333	333	333	4,000
*Ground-water discharge		333	333	333	333	333	333	333	333	333	333	333	333	4,000
	Total	2107	1987	2027	2027	2077	2037	2077	2077	2027	2177	2157	2187	24,960
Outflow:														
ET - crops**		7	12	16	75	112	168	245	279	270	138	32	9	1,363
ET - phreatophytes**		991	1250	2045	3219	5244	5821	5621	4727	3823	2007	1304	1084	37,135
Evaporation ***		7	6	14	21	26	24	23	14	13	5	6	5	163
	Total	1004	1269	2075	3315	5382	6013	5889	5019	4106	2151	1342	1098	38,661
Bill Williams River (zero if negative)		1102	718	0	0	0	0	0	0	0	26	814	1089	3,750

** Based on values calculated in Sheet I

*** Based on values calculated in Sheet H, includes factor for effective precipitation

2000 LCRAS Sheet D

Davis Dam to Parker Dam Water Balance Table 2000 Qex, Sr, and Sa OUTFLOW COMPONENTS

(Sheet to calculate outflow components Qex, Sr, and Sa)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
Qex, Flow Exported													
Total	234,674	248,412	281,106	281,932	295,225	177,472	171,273	167,036	148,984	164,680	255,273	298,105	2,724,172
Station		from 1999 MWD & CAP Pumpage Reports in USBR Decree Accounting Records											
MWD(1)	110,105	102,761	110,452	106,951	111,546	106,206	111,104	110,836	106,227	109,799	105,034	108,993	1,300,014
CAP(2)	124,569	145,651	170,654	174,981	183,679	71,266	60,169	56,200	42,757	54,881	150,239	189,112	1,424,158
----------	0	0	0	0	0	0	0	0	0	0	0	0	0

(1) - From MWD/USBR Operations Records, includes return flow credits for measured regulatory reservoirs seepage and estimated phreatophyte useage

(2) - From CAWCD Operations Records

Sr, Change in Reservoir Storage (End of Month [EOM] contents [reported 12 midnight last day of month] - Beginning of Month [BOM] contents [reported 12 midnight last day month prior])

Total	6,100	(14,200)	4,700	32,700	18,200	(900)	(16,900)	19,100	(29,300)	21,600	(46,000)	5,900	1,000
Reservoir													
Havasu		from USGS Arizona/California District databases & USBR Operations Records (see data file dav2park.wk4)											
EOM	552,500	538,300	543,000	575,700	593,900	593,000	576,100	595,200	565,900	587,500	541,500	547,400	
BOM	546,400	552,500	538,300	543,000	575,700	593,900	593,000	576,100	595,200	565,900	587,500	541,500	
Change	6,100	(14,200)	4,700	32,700	18,200	(900)	(16,900)	19,100	(29,300)	21,600	(46,000)	5,900	1,000

EOM	0	0	0	0	0	0	0	0	0	0	0	0	0
BOM	0	0	0	0	0	0	0	0	0	0	0	0	0
Change	0	0	0	0	0	0	0	0	0	0	0	0	0
Sa, Change in Aquifer Storage													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Station		pages 50, USGS Water Supply Paper 2407											
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet E

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate the outflow component CUd)

2000 CUd OUTFLOW COMPONENT

(All values in acre-feet)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
CUd, Domestic, Municipal and Industrial Use													
Total	2354	2210	2620	2391	3133	3550	4037	3790	3596	2953	2654	2537	35,825
Consumptive Use (estimated as 60% of diversion per Domestic Water Use Study of Boulder City NV 1988-1992, see file bcwater.wk1)													
Bullhead City, AZ	326.58	301.38	346.50	381.30	494.64	510.54	492.60	513.96	457.98	409.02	335.10	307.08	4876.7
MVIDD Domestic, AZ	164.40	146.40	173.40	232.20	289.20	320.40	307.80	311.40	264.00	253.20	183.60	142.20	2788.2
Big Bend Water Dist NV (1)	130.28	110.17	152.62	161.79	209.11	212.83	239.51	230.33	206.72	176.47	157.25	180.95	2168.0
Southern CA Ed., NV (2)	958.00	927.44	1150.81	677.88	963.68	1286.23	1441.83	1410.39	1345.70	1033.58	1108.87	1097.37	13401.8
Golden Shores Wtr Cons Dist, AZ (3)	27.35	27.35	27.35	27.35	27.35	27.35	27.35	27.35	27.35	27.35	27.35	27.35	328.2
Havasu Water Co., AZ	19.73	18.76	20.49	23.09	36.95	50.55	55.76	38.37	38.94	29.71	34.92	23.32	390.6
Needles, CA (4)	44.00	35.00	60.00	65.00	79.00	96.00	105.00	101.00	79.00	67.00	47.00	46.00	824.0
Havasu Water Co., CA	2.32	2.02	2.38	2.77	3.56	3.98	3.59	4.42	3.08	3.09	2.70	2.08	36.0
Mohave Wtr Cons Dist AZ	26.31	25.47	28.85	27.10	34.72	46.77	40.27	49.99	34.53	37.37	31.75	33.45	416.6
Lake Havasu City & MCWA, AZ (5)	520.20	481.80	510.00	646.80	830.40	805.80	1156.20	943.20	985.20	768.60	586.20	542.40	8776.8
Sportsman's Park, NV (6)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.1
Boy Scouts, NV	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	1.0
Southern CA Gas, CA	0.94	0.71	0.58	3.62	5.31	5.72	10.15	7.15	5.34	4.69	2.27	0.21	46.7
BLM-Black Meadow CA	4.76	4.26	6.83	4.91	13.65	16.14	14.14	13.18	11.18	11.92	7.26	6.23	114.5
BLM Permitees, AZ (7)	4.07	4.48	15.01	10.54	13.22	33.34	8.68	7.13	6.05	4.31	3.85	4.00	114.7
Mohave Co Parks (Davis Dam Camp), AZ	2.82	3.03	3.08	4.88	10.26	11.43	11.04	9.28	7.79	4.24	3.50	2.27	73.6
Ft Mojave Indian Reservation, NV (Avi) (8)	99.33	99.33	99.33	99.33	99.33	99.33	99.33	99.33	99.33	99.33	99.33	99.33	1192.0
Crystal Beach Wtr Cons Dist, AZ	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	54.0
Ft Mojave Indian Reservation, CA (9)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	36.0
AZ State Parks-Windsor Beach, AZ (10)	0.86	0.58	0.65	0.71	0.84	1.33	1.35	1.16	1.21	1.04	1.14	0.76	11.6
Pacific Gas & Electric, CA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

(1) - Consumptive use based upon measured diversion minus measured return
(2) - Consumptive use is measured diversion with no return flows to the river
(3) - Includes reported annual water deliveries made to 5-Mile Landing, Topock Elementary School, Golden Shores Civic Association, and estimated well pumpage B. Serrano Nurseries
(4) - Needles CA consumptive use estimated as {[.60 (Total Pumped from Wells - Ft. Mohave Delivery)] - Wastewater Plant Discharge - Deep Percolation at Golf Course} / 12.
Monthly totals altered to reflect normal "bell-curve" seasonal municipal usage.
(5) - Includes diversions for the City of Lake Havasu City and the Mohave County Water Authority (MCWA), but excludes monthly potable water deliveries to Winsor Beach State Park.
(6) - Monthly consumptive use calculated as 60% of reported total annual diversion of 37,600 gallons.
(7) - Includes Sandpoint /Cattail Cove State Park, Havasu Springs Resort, and Section 10 Pond (in Bullhead City)
(8) - Based upon a reported calendar year consumptive use of 1,000 acre feet for Golf Course irrigation and 192 acre feet for Avi Hotel/Casino, Cluhouse, and Housing Development.
(9) - Total annual diversion reported by the City of Needles CA as delivered to the Tribe through the Needles municipal water system.
(10) -CU calculated as 60% of total annual pumpage from on-site well for irrigation, and monthly potable water deliveries made by and reported by the City of Lake Havasu City

Use estimated														
Use estimated by Per-capita use rates		0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	
0.14	ac-ft per year*													
Town Name	(population per 2000 U.S. Census data unless otherwise noted, see AZ2000.pfd & CA2000.pfd data files)													
Topock, AZ	population(1)	900	900	900	900	900	900	900	900	900	900	900	900	
	CU	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	126.0
Chemehuevi, IR, CA	population	345	345	345	345	345	345	345	345	345	345	345	345	
	CU	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	48.3
----------		0	0	0	0	0	0	0	0	0	0	0	0	
	CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

* - See text of the 1997 LCRAS Report, "Domestic Use" section
(1) - per 1992 U.S. Census data, revised data for 2000 unavailable

2000 LCRAS Sheet F

Davis Dam to Parker Dam Water Balance Table 2000 ETcrop OUTFLOW COMPONENT

(Sheet to calculate outflow component ETcrop)

(All values in acre-feet)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
ETcrop, Crop Evapotranspiration													
Total	1853	3191	3948	7029	9847	12486	11586	10208	8188	4194	3395	2244	78,169
Diverter *													
Bill Williams NWR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemehuevi IR, CA	7	11	15	24	28	32	27	22	19	12	12	8	217
Fort Mojave IR, AZ	883	1532	1906	3377	4747	6080	5624	4951	3950	2048	1662	1080	37,841
Fort Mojave IR, CA	345	558	628	1138	1568	1965	1938	1794	1562	810	575	407	13,287
Fort Mojave IR, NV	54	96	121	223	300	344	293	240	204	100	100	67	2,142
Havasu NWR, AZ	17	33	63	100	77	31	30	25	21	1	0	7	405
Havasu NWR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Havasu State Park, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Lake Mead NRA, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Lake Mead NRA, NV	0	0	0	0	0	0	0	0	0	0	0	0	0
Moabi Park, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Mojave Valley IDD, AZ	506	889	1125	2027	2960	3843	3518	3049	2317	1151	971	624	22,980
State of AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
State of CA	41	71	90	141	166	192	156	127	115	73	75	50	1,297
State of NV	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Sheet I, Bill Williams River, AZ is not included here, it is used in Sheet C

2000 LCRAS Sheet G

Davis Dam to Parker Dam Water Balance Table 2000 ETpht OUTFLOW COMPONENT

(Sheet to calculate outflow component ETpht)

(All values in acre-feet)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
ETpht, Phreatophyte Evapotranspiration	3740	4729	9008	16334	26794	29389	28364	23818	18812	9395	5432	4067	179,881
Diverter *													
Bill Williams NWR, AZ	13	17	42	73	97	99	95	81	69	30	16	15	647
Chemehuevi IR, CA	2	3	4	4	6	7	7	6	5	3	2	3	51
Fort Mojave IR, AZ	663	839	1540	2932	5145	5732	5532	4640	3592	1826	1037	718	34,197
Fort Mojave IR, CA	71	90	195	420	739	818	789	662	506	249	128	76	4,743
Fort Mojave IR, NV	273	344	497	678	1112	1239	1196	1006	820	455	332	300	8,251
Havasu NWR, AZ	811	1029	2613	5260	7968	8446	8152	6843	5386	2473	1235	875	51,090
Havasu NWR, CA	118	149	373	677	938	972	938	790	654	290	153	130	6,182
Havasu State Park, AZ	113	142	220	316	509	568	548	461	383	205	142	124	3,730
Lake Mead NRA, AZ	12	16	23	32	52	58	57	48	40	23	16	14	390
Lake Mead NRA, NV	3	4	6	9	15	17	17	14	11	6	4	3	109
Moabi Park, CA	12	15	21	23	34	36	35	30	25	15	13	13	272
Mojave Valley IDD, AZ	713	901	1591	2923	5118	5736	5537	4647	3636	1867	1087	773	34,526
State of AZ	147	186	260	335	546	614	592	499	417	234	177	162	4,169
State of CA	426	538	939	1660	2863	3202	3091	2596	2058	1061	632	464	19,530
State of NV	362	457	685	990	1653	1845	1781	1497	1211	659	459	398	11,995
0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Sheet I, Bill Williams River, AZ is not included here; it is used in Sheet C

2000 LCRAS Sheet H, Page 1 of 2
Davis Dam to Parker Dam Water Balance Table 2000 E and Qds OUTFLOW COMPONENTS
(Sheet to calculate outflow components E and Qds)

(All values in acre-feet)		January	February	March	April	May	June	July	August	September	October	November	December	Total
Qds, Flow at the Downstream Boundary														
Total		419300	524800	712900	869600	871500	821400	873700	703500	668400	575700	442500	412400	7,895,700
Station				from USGS Arizona District database (see data file dav2park.wk4)										
Parker Dam		419300	524800	712900	869600	871500	821400	873700	703500	668400	575700	442500	412400	7,895,700
----------		0	0	0	0	0	0	0	0	0	0	0	0	0
E, Open-Water Evaporation (Surface Evaporation= acres * ((evaporation - precipitation)/12)))														
Total		4782	4630	9999	14688	18346	16888	16729	9705	9287	3638	4219	3669	116,580
Lake														
Colorado River	acres	20764	20764	20764	20764	20764	20764	20764	20764	20764	20764	20764	20764	
	Ac-ft	4088	3959	8549	12558	15684	14438	14302	8297	7940	3110	3607	3136	99,669
Topock Marsh	acres	3523	3523	3523	3523	3523	3523	3523	3523	3523	3523	3523	3523	
	Ac-ft	694	672	1450	2131	2661	2450	2427	1408	1347	528	612	532	16,911
----------	acres	0	0	0	0	0	0	0	0	0	0	0	0	
	Ac-ft	0	0	0	0	0	0	0	0	0	0	0	0	0
Bill Williams	acres	34	34	34	34	34	34	34	34	34	34	34	34	
	Ac-ft*	7	6	14	21	26	24	23	14	13	5	6	5	163

* - These values used in Sheet C

Evaporation coefficient, monthly (Jensen, 1999)													
	0.75	0.74	0.87	0.83	0.86	0.83	0.84	0.75	0.64	0.52	0.55	0.53	
ETo, inches	(THESE VALUES FROM ANOTHER WORKSHEET)												
Mohave AZMET	3.15	3.97	6.38	8.78	10.54	10.21	9.84	8.30	7.17	4.63	3.79	3.42	80.18
Evaporation, inches (Evaporation = ETo X Evaporation coefficient)													
Mohave Area	2.36	2.94	5.55	7.29	9.06	8.47	8.27	6.23	4.59	2.41	2.08	1.81	61.06
Precipitation, inches	(THESE VALUES FROM ANOTHER WORKSHEET)												
Ft. Mohave Area (avg.)	0.00	0.65	0.61	0.03	0.00	0.13	0.00	1.43	0.00	0.61	0.00	0.00	3.46

Davis Dam to Parker Dam Water Balance Table

(All values in acre-feet)		January	February	March	April	May	June	July	August	September	October	November	December	Total
Open-Water Evaporation Within District and Shared Canal Evaporation (1)														
[added to Diverters Ag ET; Surface Evaporation = acres X ((evaporation - precipitation/12))]														
----------	acres	0	0	0	0	0	0	0	0	0	0	0	0	
(see Sheet *)	Ac-ft	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	acres	0	0	0	0	0	0	0	0	0	0	0	0	
(see Sheet *)	Ac-ft	0	0	0	0	0	0	0	0	0	0	0	0	0

(1) - Open water surface area of larger canals, distribution laterals, and storage ponds distinguishable on 10 meter IRS imagery

2000 LCRAS Sheet I, Page 1 of 5

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(See Page 4 of 5 below for Unpublished Correction to Phreatophyte acreage made on 05/23/02)

(Sheet to calculate ET for the Bill Williams River, AZ [Alamo Dam Gage to Lake Havasu])

(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)

(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	7	12	16	75	112	168	245	279	270	138	32	9	1363
On-District Open-Water Evap.													
Bill Williams River, AZ*	0	0	0	0	0	0	0	0	0	0	0	0	0
* - Includes acreage from Owners Bill Williams River National Wildlife Refuge, AZ and State of Arizona													
Total Phreatophyte ET													
Bill Williams River, AZ*	991	1250	2045	3219	5244	5821	5621	4727	3823	2007	1304	1084	37135
Monthly ET values													
Alfalfa-perennial	7	12	16	24	29	33	27	22	20	13	13	9	225
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	50	84	135	218	257	250	126	19	0	1138
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Bill Williams River, AZ [Alamo Dam Gage to Lake Havasu])

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	31	39	199	404	485	470	453	382	328	116	38	34	2982
Barren	604	761	962	858	997	966	931	785	677	469	545	667	9223
Sc-low	146	184	296	667	1619	2067	1998	1684	1440	739	367	163	11370
Sc-high	39	50	162	378	632	649	626	519	349	157	68	40	3669
Sc/ms	45	56	114	269	466	516	497	419	313	153	81	46	2975
Sc/aw	1	1	3	6	10	11	11	9	7	4	2	1	66
Sc/ms/aw	1	1	2	6	9	10	10	8	7	4	2	1	62
Ms-low	26	33	54	104	169	200	196	166	143	85	46	27	1248
Ms-high	6	7	14	30	50	57	55	46	40	22	12	6	346
Ms/aw	2	3	5	11	19	22	21	18	15	8	4	2	130
Aw	1	2	4	8	12	13	13	11	8	4	2	1	78
Cw	37	46	98	214	354	387	373	310	216	104	53	38	2231
Low Veg	53	66	132	264	421	454	437	369	280	143	83	55	2756

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Bill Williams River, AZ [Alamo Dam Gage to Lake Havasu])

	January	February	March	April	May	June	July	August	September	October	November	December
Bill Williams River, AZ*												
Acreages (acres)												
Total Agricultural Acres	416	416	416	416	416	416	416	416	416	416	416	416
Alfalfa-perennial	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	375.94	375.94	375.94	375.94	375.94	375.94	375.94	375.94	375.94	375.94	375.94	375.94
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet I, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Bill Williams River, AZ [Alamo Dam Gage to Lake Havasu])

	January	February	March	April	May	June	July	August	September	October	November	December
Bill Williams River, AZ*												
Acreages (acres)												
Total Phreatophyte Acres	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124	10124

Note: Phreatophyte acreages and total are from calendar year 2001 classification. Corrected on 05/23/02 due to two errors (data entry error and 2000 coverage mistakenly clipped deleting a s

Marsh	480.50	480.50	480.50	480.50	480.50	480.50	480.50	480.50	480.50	480.50	480.50	480.50
Barren	4168.52	4168.52	4168.52	4168.52	4168.52	4168.52	4168.52	4168.52	4168.52	4168.52	4168.52	4168.52
Sc-low	2687.31	2687.31	2687.31	2687.31	2687.31	2687.31	2687.31	2687.31	2687.31	2687.31	2687.31	2687.31
Sc-high	712.89	712.89	712.89	712.89	712.89	712.89	712.89	712.89	712.89	712.89	712.89	712.89
Sc/ms	541.24	541.24	541.24	541.24	541.24	541.24	541.24	541.24	541.24	541.24	541.24	541.24
Sc/aw	12.34	12.34	12.34	12.34	12.34	12.34	12.34	12.34	12.34	12.34	12.34	12.34
Sc/ms/aw	11.51	11.51	11.51	11.51	11.51	11.51	11.51	11.51	11.51	11.51	11.51	11.51
Ms-low	313.07	313.07	313.07	313.07	313.07	313.07	313.07	313.07	313.07	313.07	313.07	313.07
Ms-high	69.21	69.21	69.21	69.21	69.21	69.21	69.21	69.21	69.21	69.21	69.21	69.21
Ms/aw	27.26	27.26	27.26	27.26	27.26	27.26	27.26	27.26	27.26	27.26	27.26	27.26
Aw	16.53	16.53	16.53	16.53	16.53	16.53	16.53	16.53	16.53	16.53	16.53	16.53
Cw	445.55	445.55	445.55	445.55	445.55	445.55	445.55	445.55	445.55	445.55	445.55	445.55
Low Veg	638.29	638.29	638.29	638.29	638.29	638.29	638.29	638.29	638.29	638.29	638.29	638.29

2000 LCRAS Sheet I, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Bill Williams River, AZ [Alamo Dam Gage to Lake Havasu])

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for Bill Williams River National Wildlife Refugue [NWR], AZ
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Bill Williams NWR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Bill Williams NWR, AZ	13	17	42	73	97	99	95	81	69	30	16	15	647
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for Bill Williams River National Wildlife Refugue [NWR], AZ

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	4	5	27	55	66	64	62	52	44	16	5	5	405
Barren	7	9	12	10	12	12	11	10	8	6	7	8	113
Sc-low	2	2	3	7	17	21	21	17	15	8	4	2	118
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	1	1	2	2	2	2	1	1	0	0	12

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for Bill Williams River National Wildlife Refugue [NWR], AZ

	January	February	March	April	May	June	July	August	September	October	November	December
Bill Williams NWR, AZ												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet J, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for Bill Williams River National Wildlife Refugue [NWR], AZ

	January	February	March	April	May	June	July	August	September	October	November	December
Bill Williams NWR, AZ												
Acreages (acres)												
Total Phreatophyte Acres	147	147	147	147	147	147	147	147	147	147	147	147
Marsh	65.20	65.20	65.20	65.20	65.20	65.20	65.20	65.20	65.20	65.20	65.20	65.20
Barren	50.96	50.96	50.96	50.96	50.96	50.96	50.96	50.96	50.96	50.96	50.96	50.96
Sc-low	27.78	27.78	27.78	27.78	27.78	27.78	27.78	27.78	27.78	27.78	27.78	27.78
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78

2000 LCRAS Sheet J, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for Bill Williams River National Wildlife Refugue [NWR], AZ

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the Chemehuevi Indian Reservation [IR], CA)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	7	11	15	24	28	32	27	22	19	12	12	8	217
On-District Open-Water Evap.													
Chemehuevi IR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Chemehuevi IR, CA	2	3	4	4	6	7	7	6	5	3	2	3	51
Monthly ET values													
Alfalfa-perennial	6	11	14	21	25	29	24	19	17	11	11	8	196
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	1	1	1	1	1	1	1	1	1	1	10
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	1	2	2	2	1	1	0	0	0	11
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the Chemehuevi Indian Reservation [IR], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	2	3	3	3	3	3	3	3	2	2	2	2	31
Sc-low	0	0	0	1	3	3	3	3	2	1	1	0	19
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	1
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Chemehuevi Indian Reservation [IR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Chemehuevi IR, CA												
Acreages (acres)												
Total Agricultural Acres	41	41	41	41	41	41	41	41	41	41	41	41
Alfalfa-perennial	34.99	34.99	34.99	34.99	34.99	34.99	34.99	34.99	34.99	34.99	34.99	34.99
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Chemehuevi Indian Reservation [IR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Chemehuevi IR, CA												
Acreages (acres)												
Total Phreatophyte Acres	19	19	19	19	19	19	19	19	19	19	19	19
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	14.03	14.03	14.03	14.03	14.03	14.03	14.03	14.03	14.03	14.03	14.03	14.03
Sc-low	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet K, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Chemehuevi Indian Reservation [IR], CA)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], AZ)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	883	1532	1906	3377	4747	6080	5624	4951	3950	2048	1662	1080	37841
On-District Open-Water Evap.													
Fort Mojave IR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Fort Mojave IR, AZ	663	839	1540	2932	5145	5732	5532	4640	3592	1826	1037	718	34197
Monthly ET values													
Alfalfa-perennial	848	1490	1884	2944	3471	3997	3254	2651	2398	1514	1563	1044	27058
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	209	349	562	909	1071	1045	525	81	0	4752
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	3	9	13	8	0	0	0	0	0	0	32
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	62	126	126	122	101	85	5	0	0	627
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	153	788	1387	1339	1127	422	0	0	0	5216
Legume/Solanum Veg	36	42	19	0	0	0	0	0	0	4	18	36	154
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet L, Page 2 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	1	1	3	7	8	8	8	7	6	2	1	1	52
Barren	260	328	414	370	429	416	401	338	292	202	235	287	3972
Sc-low	121	152	245	552	1340	1711	1654	1394	1192	612	304	135	9413
Sc-high	101	130	423	987	1648	1691	1631	1354	909	410	177	105	9566
Sc/ms	78	98	197	467	809	896	863	728	543	266	141	81	5166
Sc/aw	10	12	24	56	95	105	101	86	68	34	18	10	619
Sc/ms/aw	15	19	38	88	152	167	161	136	114	57	29	16	994
Ms-low	7	9	15	29	48	56	55	47	40	24	13	8	352
Ms-high	16	21	40	86	143	163	157	133	114	63	35	18	989
Ms/aw	10	13	24	52	85	99	96	81	68	35	18	11	593
Aw	26	33	69	145	238	259	249	207	146	71	37	27	1508
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	19	23	47	93	149	160	154	130	99	51	29	19	974

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Fort Mojave IR, AZ												
Acreages (acres)												
Total Agricultural Acres	8158	8158	8158	8158	8158	8158	8158	8158	8158	8158	8158	8158
Alfalfa-perennial	4820.38	4820.38	4820.38	4820.38	4820.38	4820.38	4820.38	4820.38	4820.38	4820.38	4820.38	4820.38
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	1569.76	1569.76	1569.76	1569.76	1569.76	1569.76	1569.76	1569.76	1569.76	1569.76	1569.76	1569.76
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	173.05	173.05	173.05	173.05	173.05	173.05	173.05	173.05	173.05	173.05	173.05	173.05
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	1454.58	1454.58	1454.58	1454.58	1454.58	1454.58	1454.58	1454.58	1454.58	1454.58	1454.58	1454.58
Legume/Solanum Veg	127.51	127.51	127.51	127.51	127.51	127.51	127.51	127.51	127.51	127.51	127.51	127.51
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet L, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Fort Mojave IR, AZ												
Acreages (acres)												
Total Phreatophyte Acres	8083	8083	8083	8083	8083	8083	8083	8083	8083	8083	8083	8083
Marsh	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41
Barren	1795.30	1795.30	1795.30	1795.30	1795.30	1795.30	1795.30	1795.30	1795.30	1795.30	1795.30	1795.30
Sc-low	2224.80	2224.80	2224.80	2224.80	2224.80	2224.80	2224.80	2224.80	2224.80	2224.80	2224.80	2224.80
Sc-high	1858.73	1858.73	1858.73	1858.73	1858.73	1858.73	1858.73	1858.73	1858.73	1858.73	1858.73	1858.73
Sc/ms	940.02	940.02	940.02	940.02	940.02	940.02	940.02	940.02	940.02	940.02	940.02	940.02
Sc/aw	116.20	116.20	116.20	116.20	116.20	116.20	116.20	116.20	116.20	116.20	116.20	116.20
Sc/ms/aw	184.47	184.47	184.47	184.47	184.47	184.47	184.47	184.47	184.47	184.47	184.47	184.47
Ms-low	88.30	88.30	88.30	88.30	88.30	88.30	88.30	88.30	88.30	88.30	88.30	88.30
Ms-high	197.63	197.63	197.63	197.63	197.63	197.63	197.63	197.63	197.63	197.63	197.63	197.63
Ms/aw	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36
Aw	318.93	318.93	318.93	318.93	318.93	318.93	318.93	318.93	318.93	318.93	318.93	318.93
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	225.45	225.45	225.45	225.45	225.45	225.45	225.45	225.45	225.45	225.45	225.45	225.45

2000 LCRAS Sheet L, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], AZ)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], CA)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	345	558	628	1138	1568	1965	1938	1794	1562	810	575	407	13287
On-District Open-Water Evap.													
Fort Mojave IR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Fort Mojave IR, CA	71	90	195	420	739	818	789	662	506	249	128	76	4743
Monthly ET values													
Alfalfa-perennial	262	460	582	909	1072	1234	1005	819	741	468	483	323	8357
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	130	218	351	567	668	652	327	51	0	2963
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	72	146	146	141	117	98	6	0	0	727
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	26	133	233	225	190	71	0	0	0	878
Legume/Solanum Veg	84	98	46	0	0	0	0	0	0	9	42	84	363
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	1	1	6	12	14	13	13	11	9	3	1	1	85
Barren	11	14	18	16	19	18	18	15	13	9	10	13	174
Sc-low	14	17	28	62	151	193	186	157	134	69	34	15	1061
Sc-high	19	24	80	186	310	318	307	255	171	77	33	20	1801
Sc/ms	12	15	30	70	121	134	129	109	81	40	21	12	773
Sc/aw	1	1	2	5	8	9	9	7	6	3	1	1	53
Sc/ms/aw	3	4	7	16	28	31	30	25	21	11	5	3	184
Ms-low	1	2	3	6	9	11	11	9	8	5	2	1	67
Ms-high	5	6	11	25	41	47	45	38	33	18	10	5	286
Ms/aw	3	4	8	17	28	32	31	27	22	11	6	3	194
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	2	3	6	10	11	10	9	7	3	2	1	66

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Fort Mojave IR, CA												
Acreages (acres)												
Total Agricultural Acres	3213	3213	3213	3213	3213	3213	3213	3213	3213	3213	3213	3213
Alfalfa-perennial	1488.71	1488.71	1488.71	1488.71	1488.71	1488.71	1488.71	1488.71	1488.71	1488.71	1488.71	1488.71
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	978.61	978.61	978.61	978.61	978.61	978.61	978.61	978.61	978.61	978.61	978.61	978.61
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	200.59	200.59	200.59	200.59	200.59	200.59	200.59	200.59	200.59	200.59	200.59	200.59
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	244.81	244.81	244.81	244.81	244.81	244.81	244.81	244.81	244.81	244.81	244.81	244.81
Legume/Solanum Veg	299.88	299.88	299.88	299.88	299.88	299.88	299.88	299.88	299.88	299.88	299.88	299.88
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet M, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Fort Mojave IR, CA Acreages (acres)												
Total Phreatophyte Acres	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007
Marsh	13.74	13.74	13.74	13.74	13.74	13.74	13.74	13.74	13.74	13.74	13.74	13.74
Barren	78.57	78.57	78.57	78.57	78.57	78.57	78.57	78.57	78.57	78.57	78.57	78.57
Sc-low	250.68	250.68	250.68	250.68	250.68	250.68	250.68	250.68	250.68	250.68	250.68	250.68
Sc-high	349.98	349.98	349.98	349.98	349.98	349.98	349.98	349.98	349.98	349.98	349.98	349.98
Sc/ms	140.59	140.59	140.59	140.59	140.59	140.59	140.59	140.59	140.59	140.59	140.59	140.59
Sc/aw	9.88	9.88	9.88	9.88	9.88	9.88	9.88	9.88	9.88	9.88	9.88	9.88
Sc/ms/aw	34.14	34.14	34.14	34.14	34.14	34.14	34.14	34.14	34.14	34.14	34.14	34.14
Ms-low	16.89	16.89	16.89	16.89	16.89	16.89	16.89	16.89	16.89	16.89	16.89	16.89
Ms-high	57.12	57.12	57.12	57.12	57.12	57.12	57.12	57.12	57.12	57.12	57.12	57.12
Ms/aw	40.62	40.62	40.62	40.62	40.62	40.62	40.62	40.62	40.62	40.62	40.62	40.62
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28

2000 LCRAS Sheet M, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], CA)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], NV)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	54	96	121	223	300	344	293	240	204	100	100	67	2142
On-District Open-Water Evap.													
Fort Mojave IR, NV	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Fort Mojave IR, NV	273	344	497	678	1112	1239	1196	1006	820	455	332	300	8251
Monthly ET values													
Alfalfa-perennial	54	96	121	189	223	256	209	170	154	97	100	67	1736
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	32	64	64	62	51	43	2	0	0	318
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	3	13	23	22	19	7	0	0	0	87
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet N, Page 2 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], NV)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	203	255	323	288	335	324	313	264	227	157	183	224	3097
Sc-low	36	46	74	166	403	515	498	420	359	184	92	41	2833
Sc-high	9	12	40	92	154	158	153	127	85	38	17	10	894
Sc/ms	10	13	27	63	109	120	116	98	73	36	19	11	694
Sc/aw	1	1	2	4	7	8	8	6	5	3	1	1	47
Sc/ms/aw	0	1	1	3	4	5	5	4	3	2	1	0	29
Ms-low	1	2	3	5	8	9	9	8	7	4	2	1	59
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	1	2	3	7	11	12	11	9	7	3	2	1	68
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	10	13	25	51	81	87	84	71	54	27	16	11	529

2000 LCRAS Sheet N, Page 3 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], NV)

	January	February	March	April	May	June	July	August	September	October	November	December
Fort Mojave IR, NV												
Acreages (acres)												
Total Agricultural Acres	421	421	421	421	421	421	421	421	421	421	421	421
Alfalfa-perennial	309.26	309.26	309.26	309.26	309.26	309.26	309.26	309.26	309.26	309.26	309.26	309.26
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	87.81	87.81	87.81	87.81	87.81	87.81	87.81	87.81	87.81	87.81	87.81	87.81
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.37
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet N, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], NV)

	January	February	March	April	May	June	July	August	September	October	November	December
Fort Mojave IR, NV												
Acreages (acres)												
Total Phreatophyte Acres	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	1399.69	1399.69	1399.69	1399.69	1399.69	1399.69	1399.69	1399.69	1399.69	1399.69	1399.69	1399.69
Sc-low	669.66	669.66	669.66	669.66	669.66	669.66	669.66	669.66	669.66	669.66	669.66	669.66
Sc-high	173.79	173.79	173.79	173.79	173.79	173.79	173.79	173.79	173.79	173.79	173.79	173.79
Sc/ms	126.25	126.25	126.25	126.25	126.25	126.25	126.25	126.25	126.25	126.25	126.25	126.25
Sc/aw	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80
Sc/ms/aw	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39
Ms-low	14.83	14.83	14.83	14.83	14.83	14.83	14.83	14.83	14.83	14.83	14.83	14.83
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	14.40	14.40	14.40	14.40	14.40	14.40	14.40	14.40	14.40	14.40	14.40	14.40
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	122.58	122.58	122.58	122.58	122.58	122.58	122.58	122.58	122.58	122.58	122.58	122.58

2000 LCRAS Sheet N, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Fort Mojave Indian Reservation [IR], NV)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], AZ)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	17	33	63	100	77	31	30	25	21	1	0	7	405
On-District Open-Water Evap.													
Havasu NWR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Havasu NWR, AZ	811	1029	2613	5260	7968	8446	8152	6843	5386	2473	1235	875	51090
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	17	33	63	84	46	0	0	0	0	0	0	7	251
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	15	31	31	30	25	21	1	0	0	154
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	148	188	956	1940	2328	2255	2174	1834	1573	557	182	165	14301
Barren	186	234	296	264	306	297	286	241	208	144	168	205	2833
Sc-low	64	81	130	293	711	908	877	740	632	325	161	72	4993
Sc-high	119	153	498	1162	1942	1993	1922	1595	1071	484	208	124	11271
Sc/ms	74	94	189	447	775	858	827	697	520	254	135	77	4949
Sc/aw	22	27	55	126	217	239	230	194	155	76	40	23	1404
Sc/ms/aw	19	24	49	112	193	212	205	173	145	73	37	20	1262
Ms-low	22	27	46	87	142	168	165	139	120	72	39	23	1050
Ms-high	21	26	50	108	180	205	198	167	144	79	44	23	1244
Ms/aw	54	68	129	272	447	521	506	427	359	183	97	56	3119
Aw	57	72	149	315	515	560	540	449	316	154	81	59	3268
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	27	34	67	134	213	230	222	187	142	73	42	28	1397

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Havasu NWR, AZ Acreages (acres)												
Total Agricultural Acres	148	148	148	148	148	148	148	148	148	148	148	148
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	105.60	105.60	105.60	105.60	105.60	105.60	105.60	105.60	105.60	105.60	105.60	105.60
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet O, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Havasu NWR, AZ Acreages (acres)												
Total Phreatophyte Acres	10535	10535	10535	10535	10535	10535	10535	10535	10535	10535	10535	10535
Marsh	2304.76	2304.76	2304.76	2304.76	2304.76	2304.76	2304.76	2304.76	2304.76	2304.76	2304.76	2304.76
Barren	1280.52	1280.52	1280.52	1280.52	1280.52	1280.52	1280.52	1280.52	1280.52	1280.52	1280.52	1280.52
Sc-low	1180.06	1180.06	1180.06	1180.06	1180.06	1180.06	1180.06	1180.06	1180.06	1180.06	1180.06	1180.06
Sc-high	2189.89	2189.89	2189.89	2189.89	2189.89	2189.89	2189.89	2189.89	2189.89	2189.89	2189.89	2189.89
Sc/ms	900.51	900.51	900.51	900.51	900.51	900.51	900.51	900.51	900.51	900.51	900.51	900.51
Sc/aw	263.65	263.65	263.65	263.65	263.65	263.65	263.65	263.65	263.65	263.65	263.65	263.65
Sc/ms/aw	234.29	234.29	234.29	234.29	234.29	234.29	234.29	234.29	234.29	234.29	234.29	234.29
Ms-low	263.34	263.34	263.34	263.34	263.34	263.34	263.34	263.34	263.34	263.34	263.34	263.34
Ms-high	248.67	248.67	248.67	248.67	248.67	248.67	248.67	248.67	248.67	248.67	248.67	248.67
Ms/aw	654.35	654.35	654.35	654.35	654.35	654.35	654.35	654.35	654.35	654.35	654.35	654.35
Aw	691.09	691.09	691.09	691.09	691.09	691.09	691.09	691.09	691.09	691.09	691.09	691.09
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	323.45	323.45	323.45	323.45	323.45	323.45	323.45	323.45	323.45	323.45	323.45	323.45

2000 LCRAS Sheet O, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], AZ)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], CA)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Havasu NWR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Havasu NWR, CA	118	149	373	677	938	972	938	790	654	290	153	130	6182
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	31	40	202	410	492	477	460	388	333	118	39	35	3024
Barren	53	67	84	75	87	84	81	69	59	41	48	58	806
Sc-low	11	14	23	52	125	160	155	130	111	57	28	13	880
Sc-high	5	6	19	45	76	78	75	62	42	19	8	5	441
Sc/ms	5	6	12	29	50	55	53	45	33	16	9	5	318
Sc/aw	1	1	2	5	8	9	8	7	6	3	1	1	52
Sc/ms/aw	1	1	3	6	11	12	12	10	8	4	2	1	72
Ms-low	2	3	4	8	13	16	15	13	11	7	4	2	98
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	1	1	1	3	5	5	5	4	3	1	1	1	29
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	9	11	22	44	71	76	73	62	47	24	14	9	463

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Havasu NWR, CA												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet P, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Havasu NWR, CA												
Acreages (acres)												
Total Phreatophyte Acres	1364	1364	1364	1364	1364	1364	1364	1364	1364	1364	1364	1364
Marsh	487.40	487.40	487.40	487.40	487.40	487.40	487.40	487.40	487.40	487.40	487.40	487.40
Barren	364.41	364.41	364.41	364.41	364.41	364.41	364.41	364.41	364.41	364.41	364.41	364.41
Sc-low	208.00	208.00	208.00	208.00	208.00	208.00	208.00	208.00	208.00	208.00	208.00	208.00
Sc-high	85.62	85.62	85.62	85.62	85.62	85.62	85.62	85.62	85.62	85.62	85.62	85.62
Sc/ms	57.81	57.81	57.81	57.81	57.81	57.81	57.81	57.81	57.81	57.81	57.81	57.81
Sc/aw	9.71	9.71	9.71	9.71	9.71	9.71	9.71	9.71	9.71	9.71	9.71	9.71
Sc/ms/aw	13.36	13.36	13.36	13.36	13.36	13.36	13.36	13.36	13.36	13.36	13.36	13.36
Ms-low	24.49	24.49	24.49	24.49	24.49	24.49	24.49	24.49	24.49	24.49	24.49	24.49
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	107.14	107.14	107.14	107.14	107.14	107.14	107.14	107.14	107.14	107.14	107.14	107.14

2000 LCRAS Sheet P, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Havasu National Wildlife Refuge [NWR], CA)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the Havasu [Windsor Beach] State Park, AZ)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Havasu State Park, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Havasu State Park, AZ	113	142	220	316	509	568	548	461	383	205	142	124	3730
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the Havasu [Windsor Beach] State Park, AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	4	4	23	46	56	54	52	44	38	13	4	4	341
Barren	78	98	124	111	129	125	120	101	87	60	70	86	1190
Sc-low	18	23	36	82	199	253	245	206	177	91	45	20	1394
Sc-high	2	2	7	17	29	30	29	24	16	7	3	2	168
Sc/ms	2	3	6	13	23	25	24	21	15	8	4	2	146
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	1	1	2	3	4	3	3	3	2	1	0	22
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	9	11	22	45	72	77	74	63	48	24	14	9	469

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Havasu [Windsor Beach] State Park, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Havasu State Park, AZ												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet Q, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Havasu [Windsor Beach] State Park, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Havasu State Park, AZ												
Acreages (acres)												
Total Phreatophyte Acres	1096	1096	1096	1096	1096	1096	1096	1096	1096	1096	1096	1096
Marsh	54.97	54.97	54.97	54.97	54.97	54.97	54.97	54.97	54.97	54.97	54.97	54.97
Barren	537.74	537.74	537.74	537.74	537.74	537.74	537.74	537.74	537.74	537.74	537.74	537.74
Sc-low	329.52	329.52	329.52	329.52	329.52	329.52	329.52	329.52	329.52	329.52	329.52	329.52
Sc-high	32.55	32.55	32.55	32.55	32.55	32.55	32.55	32.55	32.55	32.55	32.55	32.55
Sc/ms	26.57	26.57	26.57	26.57	26.57	26.57	26.57	26.57	26.57	26.57	26.57	26.57
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	5.56	5.56	5.56	5.56	5.56	5.56	5.56	5.56	5.56	5.56	5.56	5.56
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	108.66	108.66	108.66	108.66	108.66	108.66	108.66	108.66	108.66	108.66	108.66	108.66

2000 LCRAS Sheet Q, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Havasu [Windsor Beach] State Park, AZ)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], AZ)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Lake Mead NRA, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Lake Mead NRA, AZ	12	16	23	32	52	58	57	48	40	23	16	14	390
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	1
Barren	8	10	13	12	13	13	13	11	9	6	7	9	125
Sc-low	1	1	2	5	13	17	16	14	12	6	3	1	91
Sc-high	0	0	1	1	2	2	2	2	1	1	0	0	13
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	1	1	2	4	7	8	8	7	6	3	2	1	51
Ms-high	0	0	1	1	2	2	2	2	2	1	1	0	15
Ms/aw	1	1	3	6	9	11	10	9	7	4	2	1	63
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	1	2	3	5	5	5	4	3	2	1	1	31

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Lake Mead NRA, AZ												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet R, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Lake Mead NRA, AZ												
Acreages (acres)												
Total Phreatophyte Acres	117	117	117	117	117	117	117	117	117	117	117	117
Marsh	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Barren	56.39	56.39	56.39	56.39	56.39	56.39	56.39	56.39	56.39	56.39	56.39	56.39
Sc-low	21.58	21.58	21.58	21.58	21.58	21.58	21.58	21.58	21.58	21.58	21.58	21.58
Sc-high	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67
Ms-high	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Ms/aw	13.28	13.28	13.28	13.28	13.28	13.28	13.28	13.28	13.28	13.28	13.28	13.28
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26

2000 LCRAS Sheet R, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], AZ)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], NV)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Lake Mead NRA, NV	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Lake Mead NRA, NV	3	4	6	9	15	17	17	14	11	6	4	3	109
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], NV)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	2	2	3	3	3	3	3	2	2	1	2	2	28
Sc-low	1	1	1	3	7	9	9	7	6	3	2	1	50
Sc-high	0	0	1	2	3	3	3	2	2	1	0	0	17
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	1	1	2	2	2	2	1	1	0	0	14

2000 LCRAS Sheet S, Page 3 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], NV)

	January	February	March	April	May	June	July	August	September	October	November	December
Lake Mead NRA, NV												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet S, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], NV)

	January	February	March	April	May	June	July	August	September	October	November	December
Lake Mead NRA, NV												
Acreages (acres)												
Total Phreatophyte Acres	31	31	31	31	31	31	31	31	31	31	31	31
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	12.69	12.69	12.69	12.69	12.69	12.69	12.69	12.69	12.69	12.69	12.69	12.69
Sc-low	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89
Sc-high	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24

2000 LCRAS Sheet S, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the Lake Mead National Recreation Area [NRA], NV)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for Moabi Park, CA)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Moabi Park, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Moabi Park, CA	12	15	21	23	34	36	35	30	25	15	13	13	272
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for Moabi Park, CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	11	13	17	15	18	17	16	14	12	8	10	12	163
Sc-low	1	1	2	4	9	12	12	10	8	4	2	1	66
Sc-high	0	0	1	2	3	3	3	3	2	1	0	0	18
Sc/ms	0	0	1	2	3	4	4	3	2	1	1	0	21
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	1	0	0	0	0	0	0	3

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for Moabi Park, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Moabi Park, CA												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet T, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for Moabi Park, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Moabi Park, CA												
Acreages (acres)												
Total Phreatophyte Acres	97	97	97	97	97	97	97	97	97	97	97	97
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	73.82	73.82	73.82	73.82	73.82	73.82	73.82	73.82	73.82	73.82	73.82	73.82
Sc-low	15.58	15.58	15.58	15.58	15.58	15.58	15.58	15.58	15.58	15.58	15.58	15.58
Sc-high	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44
Sc/ms	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71

2000 LCRAS Sheet T, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for Moabi Park, CA)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for Mojave Valley Irrigation and Drainage District [IDD], AZ)
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	506	889	1125	2027	2960	3843	3518	3049	2317	1151	971	624	22980
On-District Open-Water Evap.													
Mojave Valley IDD, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Mojave Valley IDD, AZ	713	901	1591	2923	5118	5736	5537	4647	3636	1867	1087	773	34526
Monthly ET values													
Alfalfa-perennial	505	888	1123	1755	2068	2382	1939	1580	1429	902	931	622	16125
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	96	161	259	419	494	482	242	37	0	2190
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	51	104	104	100	84	70	4	0	0	518
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	120	620	1091	1054	887	332	0	0	0	4103
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	1	1	2	5	7	6	6	5	5	3	2	2	45
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet U, Page 2 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for Mojave Valley Irrigation and Drainage District [IDD], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	1	2	9	19	22	22	21	18	15	5	2	2	137
Barren	305	384	486	433	504	488	470	397	342	237	276	337	4659
Sc-low	133	167	269	608	1474	1882	1819	1534	1311	673	334	149	10353
Sc-high	84	108	351	818	1367	1403	1353	1123	754	340	146	87	7935
Sc/ms	62	78	158	373	647	716	690	581	434	212	113	64	4128
Sc/aw	11	14	29	66	114	125	121	102	81	40	21	12	736
Sc/ms/aw	9	11	22	51	87	96	92	78	65	33	17	9	569
Ms-low	7	9	14	27	44	52	51	43	38	22	12	7	327
Ms-high	14	17	33	72	120	137	132	111	96	53	30	15	832
Ms/aw	21	27	51	107	175	204	199	168	141	72	38	22	1224
Aw	34	43	90	190	310	337	325	270	190	93	49	36	1967
Cw	0	1	1	3	5	5	5	4	3	1	1	1	30
Low Veg	31	39	78	156	249	268	259	218	165	85	49	32	1630

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for Mojave Valley Irrigation and Drainage District [IDD], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Mojave Valley IDD, AZ												
Acreages (acres)												
Total Agricultural Acres	4892	4892	4892	4892	4892	4892	4892	4892	4892	4892	4892	4892
Alfalfa-perennial	2872.58	2872.58	2872.58	2872.58	2872.58	2872.58	2872.58	2872.58	2872.58	2872.58	2872.58	2872.58
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	723.44	723.44	723.44	723.44	723.44	723.44	723.44	723.44	723.44	723.44	723.44	723.44
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	142.76	142.76	142.76	142.76	142.76	142.76	142.76	142.76	142.76	142.76	142.76	142.76
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	1144.27	1144.27	1144.27	1144.27	1144.27	1144.27	1144.27	1144.27	1144.27	1144.27	1144.27	1144.27
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for Mojave Valley Irrigation and Drainage District [IDD], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Mojave Valley IDD, AZ Acreages (acres)												
Total Phreatophyte Acres	8416	8416	8416	8416	8416	8416	8416	8416	8416	8416	8416	8416
Marsh	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14
Barren	2105.78	2105.78	2105.78	2105.78	2105.78	2105.78	2105.78	2105.78	2105.78	2105.78	2105.78	2105.78
Sc-low	2447.08	2447.08	2447.08	2447.08	2447.08	2447.08	2447.08	2447.08	2447.08	2447.08	2447.08	2447.08
Sc-high	1541.68	1541.68	1541.68	1541.68	1541.68	1541.68	1541.68	1541.68	1541.68	1541.68	1541.68	1541.68
Sc/ms	751.05	751.05	751.05	751.05	751.05	751.05	751.05	751.05	751.05	751.05	751.05	751.05
Sc/aw	138.21	138.21	138.21	138.21	138.21	138.21	138.21	138.21	138.21	138.21	138.21	138.21
Sc/ms/aw	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58
Ms-low	81.99	81.99	81.99	81.99	81.99	81.99	81.99	81.99	81.99	81.99	81.99	81.99
Ms-high	166.21	166.21	166.21	166.21	166.21	166.21	166.21	166.21	166.21	166.21	166.21	166.21
Ms/aw	256.91	256.91	256.91	256.91	256.91	256.91	256.91	256.91	256.91	256.91	256.91	256.91
Aw	415.96	415.96	415.96	415.96	415.96	415.96	415.96	415.96	415.96	415.96	415.96	415.96
Cw	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02
Low Veg	377.40	377.40	377.40	377.40	377.40	377.40	377.40	377.40	377.40	377.40	377.40	377.40

2000 LCRAS Sheet U, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for Mojave Valley Irrigation and Drainage District [IDD], AZ)

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the State of Arizona [AZ])
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
State of AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of AZ	147	186	260	335	546	614	592	499	417	234	177	162	4169
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the State of Arizona [AZ])

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	1	1	4	9	10	10	10	8	7	2	1	1	63
Barren	113	143	181	161	187	181	175	147	127	88	102	125	1730
Sc-low	21	27	43	98	237	303	293	247	211	108	54	24	1667
Sc-high	1	1	4	10	18	18	17	14	10	4	2	1	102
Sc/ms	2	3	6	13	23	25	24	21	15	7	4	2	146
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	1
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	1	1	2	3	5	6	5	5	3	2	1	1	33
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	8	10	20	41	65	70	68	57	43	22	13	8	427

2000 LCRAS Sheet V, Page 3 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ])

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet V, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ])

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ Acreages (acres)												
Total Phreatophyte Acres	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339
Marsh	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12
Barren	782.14	782.14	782.14	782.14	782.14	782.14	782.14	782.14	782.14	782.14	782.14	782.14
Sc-low	394.02	394.02	394.02	394.02	394.02	394.02	394.02	394.02	394.02	394.02	394.02	394.02
Sc-high	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75	19.75
Sc/ms	26.54	26.54	26.54	26.54	26.54	26.54	26.54	26.54	26.54	26.54	26.54	26.54
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	98.84	98.84	98.84	98.84	98.84	98.84	98.84	98.84	98.84	98.84	98.84	98.84

2000 LCRAS Sheet V, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the State of Arizona [AZ])

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the State of California [CA])
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	41	71	90	141	166	192	156	127	115	73	75	50	1297
On-District Open-Water Evap.													
State of CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of CA	426	538	939	1660	2863	3202	3091	2596	2058	1061	632	464	19530
Monthly ET values													
Alfalfa-perennial	41	71	90	141	166	192	156	127	115	73	75	50	1297
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the State of California [CA])

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	7	8	42	86	103	99	96	81	69	25	8	7	631
Barren	206	259	328	293	340	329	317	268	231	160	186	227	3144
Sc-low	80	101	163	368	894	1141	1102	929	795	408	203	90	6274
Sc-high	44	57	185	431	720	739	712	591	397	179	77	46	4178
Sc/ms	32	40	81	192	333	368	355	299	223	109	58	33	2124
Sc/aw	3	3	6	15	26	28	27	23	18	9	5	3	166
Sc/ms/aw	4	5	11	24	42	46	45	38	32	16	8	4	275
Ms-low	6	7	12	23	38	45	44	37	32	19	10	6	279
Ms-high	11	14	28	60	100	114	110	92	80	44	24	13	690
Ms/aw	3	3	6	14	22	26	25	21	18	9	5	3	157
Aw	3	4	9	19	31	33	32	27	19	9	5	4	195
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	27	34	68	136	216	233	225	190	144	74	43	28	1417

2000 LCRAS Sheet W, Page 3 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the State of California [CA])

	January	February	March	April	May	June	July	August	September	October	November	December
State of CA												
Acreages (acres)												
Total Agricultural Acres	231	231	231	231	231	231	231	231	231	231	231	231
Alfalfa-perennial	231.11	231.11	231.11	231.11	231.11	231.11	231.11	231.11	231.11	231.11	231.11	231.11
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet W, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the State of California [CA])

	January	February	March	April	May	June	July	August	September	October	November	December
State of CA												
Acreages (acres)												
Total Phreatophyte Acres	4896	4896	4896	4896	4896	4896	4896	4896	4896	4896	4896	4896
Marsh	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67
Barren	1421.20	1421.20	1421.20	1421.20	1421.20	1421.20	1421.20	1421.20	1421.20	1421.20	1421.20	1421.20
Sc-low	1483.00	1483.00	1483.00	1483.00	1483.00	1483.00	1483.00	1483.00	1483.00	1483.00	1483.00	1483.00
Sc-high	811.80	811.80	811.80	811.80	811.80	811.80	811.80	811.80	811.80	811.80	811.80	811.80
Sc/ms	386.41	386.41	386.41	386.41	386.41	386.41	386.41	386.41	386.41	386.41	386.41	386.41
Sc/aw	31.11	31.11	31.11	31.11	31.11	31.11	31.11	31.11	31.11	31.11	31.11	31.11
Sc/ms/aw	51.03	51.03	51.03	51.03	51.03	51.03	51.03	51.03	51.03	51.03	51.03	51.03
Ms-low	70.08	70.08	70.08	70.08	70.08	70.08	70.08	70.08	70.08	70.08	70.08	70.08
Ms-high	137.86	137.86	137.86	137.86	137.86	137.86	137.86	137.86	137.86	137.86	137.86	137.86
Ms/aw	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90	32.90
Aw	41.21	41.21	41.21	41.21	41.21	41.21	41.21	41.21	41.21	41.21	41.21	41.21
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	328.14	328.14	328.14	328.14	328.14	328.14	328.14	328.14	328.14	328.14	328.14	328.14

2000 LCRAS Sheet W, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the State of California [CA])

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Davis Dam to Parker Dam Water Balance Table 2000 DIVERTER ET

(Sheet to calculate ET for the State of Nevada [NV])
(Based on ETo values from the Mohave AZMET station, and averaged precipitation from the Mohave AZMET and Bullhead City NWS weather stations)
(Sheet has final ET numbers for each crop/phreatophyte from FMarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
State of NV	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of NV	362	457	685	990	1653	1845	1781	1497	1211	659	459	398	11995
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	-0	0	0	0	0	0	0	0	0	0	0	0

2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table
(Sheet to calculate ET for the State of Nevada [NV])

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	1	1	5	10	12	11	11	9	8	3	1	1	72
Barren	255	320	405	361	420	407	392	331	285	198	230	281	3884
Sc-low	54	69	111	250	606	773	747	630	539	276	137	61	4252
Sc-high	20	26	84	196	327	336	324	269	180	81	35	21	1899
Sc/ms	11	14	29	69	120	133	128	108	80	39	21	12	764
Sc/aw	0	0	1	2	3	4	4	3	2	1	1	0	21
Sc/ms/aw	0	0	1	1	3	3	3	2	2	1	0	0	17
Ms-low	1	1	2	4	7	8	8	7	6	4	2	1	53
Ms-high	2	2	4	9	15	17	16	14	12	7	4	2	103
Ms/aw	2	3	5	12	19	22	22	18	15	8	4	2	133
Aw	0	1	1	2	4	4	4	3	2	1	1	0	24
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	15	19	37	74	118	127	122	103	78	40	23	15	771

2000 LCRAS Sheet X, Page 3 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the State of Nevada [NV])

	January	February	March	April	May	June	July	August	September	October	November	December
State of NV												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet X, Page 4 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table

(Sheet to calculate ET for the State of Nevada [NV])

	January	February	March	April	May	June	July	August	September	October	November	December
State of NV												
Acreages (acres)												
Total Phreatophyte Acres	3533	3533	3533	3533	3533	3533	3533	3533	3533	3533	3533	3533
Marsh	11.58	11.58	11.58	11.58	11.58	11.58	11.58	11.58	11.58	11.58	11.58	11.58
Barren	1755.58	1755.58	1755.58	1755.58	1755.58	1755.58	1755.58	1755.58	1755.58	1755.58	1755.58	1755.58
Sc-low	1005.12	1005.12	1005.12	1005.12	1005.12	1005.12	1005.12	1005.12	1005.12	1005.12	1005.12	1005.12
Sc-high	368.95	368.95	368.95	368.95	368.95	368.95	368.95	368.95	368.95	368.95	368.95	368.95
Sc/ms	139.03	139.03	139.03	139.03	139.03	139.03	139.03	139.03	139.03	139.03	139.03	139.03
Sc/aw	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02
Sc/ms/aw	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09
Ms-low	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30
Ms-high	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60
Ms/aw	27.95	27.95	27.95	27.95	27.95	27.95	27.95	27.95	27.95	27.95	27.95	27.95
Aw	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	178.63	178.63	178.63	178.63	178.63	178.63	178.63	178.63	178.63	178.63	178.63	178.63

2000 LCRAS Sheet X, Page 5 of 5 2000 DIVERTER ET

Davis Dam to Parker Dam Water Balance Table (Sheet to calculate ET for the State of Nevada [NV])

Monthly ET values (inches) (From FMarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.11	3.71	4.69	7.33	8.64	9.95	8.10	6.60	5.97	3.77	3.89	2.60	67.36
Alfalfa-annual	1.15	2.13	3.46	3.13	6.26	6.11	3.49	4.80	4.98	4.25	2.86	3.35	45.97
Alfalfa-seed	1.75	3.69	4.23	7.02	10.69	5.91	9.98	0.00	0.00	0.00	0.00	1.40	44.67
Cotton	0.00	0.00	0.00	1.60	2.67	4.30	6.95	8.19	7.99	4.01	0.62	0.00	36.33
Small Grain	1.90	3.80	7.16	9.58	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.85	28.48
Field Grain	0.00	0.00	2.55	8.24	12.79	7.58	0.00	0.00	0.00	0.00	0.00	0.00	31.16
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	3.19	3.55	0.00	8.37
Lettuce-late	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.79	6.26
Melons-spring	0.00	0.00	1.74	6.36	10.62	9.75	3.46	0.00	0.00	0.00	0.00	0.00	31.93
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	4.13	4.27	3.78	1.44	14.58
Bermuda	0.00	0.00	0.00	4.31	8.75	8.76	8.44	7.02	5.88	0.34	0.00	0.00	43.50
Bermuda w/ rye	2.86	3.21	4.61	4.31	8.75	8.76	8.44	7.02	5.88	2.16	3.37	3.11	62.48
Citrus-young	1.31	1.33	2.33	3.23	3.71	3.49	3.37	2.84	2.51	1.48	1.51	1.46	28.57
Citrus-mature	2.19	2.39	3.96	5.39	6.18	5.82	5.61	4.73	4.18	2.63	2.52	2.43	48.03
Citrus-declining	1.53	1.60	2.74	3.77	4.32	4.07	3.93	3.31	2.93	1.77	1.76	1.70	33.43
Tomatoes	0.00	1.67	5.04	10.46	12.04	4.26	0.00	0.00	0.00	0.00	0.00	0.00	33.47
Sudan	0.00	0.00	0.00	1.26	6.50	11.44	11.05	9.30	3.48	0.00	0.00	0.00	43.03
Legume/Solanum Veg	3.35	3.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.69	3.36	14.51
Crucifers	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.63	3.32	3.41	11.98
Dates	2.88	3.45	6.09	8.87	11.04	10.87	10.48	8.84	7.64	4.65	3.94	3.50	82.25
Safflower	0.00	1.35	5.14	10.65	13.09	11.07	1.38	0.00	0.00	0.00	0.00	0.00	42.68
Orchards	1.25	1.32	3.27	6.25	8.98	8.78	8.46	7.14	6.17	3.74	3.19	2.23	60.78
Small Vegetables	3.17	3.74	6.31	7.50	0.00	0.00	0.00	0.00	0.00	0.37	1.40	2.69	25.18
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.40	3.99	3.26	12.85
Perennial Vegetables	1.01	1.01	2.21	7.06	10.17	9.85	9.50	7.68	5.69	2.53	1.45	1.10	59.26
Sugar Beets	2.23	3.50	6.76	9.44	6.76	0.00	0.00	0.00	0.74	1.00	1.04	1.58	33.05
Grapes	0.00	-0.01	1.79	5.66	8.90	8.67	7.96	5.40	1.78	0.00	0.00	0.00	40.15
Marsh	0.77	0.98	4.98	10.10	12.12	11.74	11.32	9.55	8.19	2.90	0.95	0.86	74.46
Barren	1.74	2.19	2.77	2.47	2.87	2.78	2.68	2.26	1.95	1.35	1.57	1.92	26.55
Sc-low	0.65	0.82	1.32	2.98	7.23	9.23	8.92	7.52	6.43	3.30	1.64	0.73	50.77
Sc-high	0.65	0.84	2.73	6.37	10.64	10.92	10.53	8.74	5.87	2.65	1.14	0.68	61.76
Sc/ms	0.99	1.25	2.52	5.96	10.33	11.44	11.02	9.29	6.93	3.39	1.80	1.03	65.95
Sc/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.07	3.47	1.82	1.03	63.91
Sc/ms/aw	0.99	1.25	2.49	5.74	9.86	10.87	10.48	8.84	7.43	3.74	1.91	1.03	64.63
Ms-low	0.99	1.25	2.08	3.98	6.46	7.66	7.53	6.35	5.49	3.26	1.76	1.03	47.84
Ms-high	0.99	1.25	2.40	5.21	8.69	9.89	9.54	8.05	6.95	3.83	2.13	1.11	60.04
Ms/aw	0.99	1.25	2.36	4.98	8.19	9.55	9.28	7.83	6.59	3.36	1.78	1.03	57.19
Aw	0.99	1.25	2.59	5.47	8.95	9.73	9.38	7.80	5.48	2.67	1.41	1.03	56.75
Cw	0.99	1.25	2.65	5.76	9.54	10.41	10.04	8.35	5.82	2.81	1.44	1.03	60.09
Low Veg	0.99	1.25	2.48	4.97	7.91	8.53	8.22	6.93	5.26	2.69	1.56	1.03	51.82

Parker Dam to Imperial Dam

Water-Balance Table

Parker Dam to Imperial Dam Water Balance Table 2000 ANNUAL WATER BALANCE

(This sheet calculates the water balance on an annual basis.)

(All values in acre-feet accept where noted)

Calculation of Difference between Qus and Qds (Qdif):

		SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2
Flow at Upstream Boundary (Qus)	7,895,700	2.20%	173,705	30,173,427,025
Flow at Downstream Boundary (Qds)	6,527,141	1.50%	97,907	9,585,780,649
Difference (Qdif)	1,368,559	14.57%	199,397	

Calcutations for Senator Wash Change in Storage SEE:

	Contents	Elevation (ft)	SEE (ft)	Elev.+SEE	Elev.-SEE	Contents at Elev.+SEE	Contents at Elev.-SEE	SEE in Acre-Feet	Variance in Acre-Feet^2
Beginning of Year	5,097	227.60	0.025	227.625	227.575	5104	5090	14	196
End of year	6,100	231.09	0.025	231.115	231.065	6107	6097	10	100
Change	1,003	3.49						17	

Water Balance:

	Undistributed Annual Value	SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2	Distributed Residual	Percent of Residual	Distributed Annual Value	SEE of Annual Values Percent	SEE of Annual Values Acre-Feet
Difference (Qdif)	1,368,559	14.57%	199,397	39,759,163,609	217,064	95.33%	1,151,495	3.74%	43,104
Inflows:									
Measured Tributary Inflow (Trm)	0	0.00%	0	0	0	0.00%	0	0.00%	0
Unmeasured Tributary Inflow (Trum)	33,750	30.00%	10,125	102,515,625	560	0.25%	33,190	30.47%	10,113
Outflows:									
Export Flow (Qex)	0	0.00%	0	0	0	0.00%	0	0.00%	0
Change in Reservoir Storage (Sr)	1,003	1.69%	17	289	0	0.00%	1,003	1.69%	17
Change in Aquifer Storage (Sa)	0	N/A	10,000	100,000,000	546	0.24%	546	1829.30%	9,988
Domestic,Municipa l& Industrial Use (CUd)	4,270	2.00%	85	7,225	0	0.00%	4,270	1.99%	85
Crop Evapotranspiration (ETcrop)	756,406	5.00%	37,820	1,430,352,400	7,809	3.43%	764,215	4.86%	37,166
Phreatophyte Evapotranspiration (ETpht)	350,043	5.00%	17,502	306,320,004	1,672	0.73%	351,715	4.96%	17,438
Open-Water Evaporation (E)	62,882	5.00%	3,144	9,884,736	54	0.02%	62,936	5.00%	3,144
Residual	227,705				227,705		0		61,280
Residual as a percentage of Qus	2.88%		Total:	41,708,243,888		100.00%			

Parker Dam to Imperial Dam Water Balance Table

Final Results by Diverter

Diverter		Crop ET	Crop CU	Phreatophyte ET	Phreatophyte WU	Undistributed Domestic Use	Domestic CU
Arkelian Farm, AZ		1,565	1,581	2,191	2,201		
Bernal Farm, CA		0	0	1,189	1,195		
Cibola Valley I&DD, AZ		14,629	14,780	6,197	6,227		
Cibola NWR, AZ		6,603	6,671	45,995	46,215		
Cibola NWR, CA		0	0	18,406	18,494		
Clark Farm, CA		604	610	137	138		
CRIR, AZ		333,708	337,153	134,351	134,993		
CRIR, CA		0	0	35,206	35,374		
Ehrenberg Farm, AZ		2,454	2,479	1	1		
Imperial NWR, AZ		0	0	26,368	26,494		
Imperial NWR, CA		0	0	19,225	19,317		
North Lyn-de Farm, CA		4	4	2	2		
PVID, AZ		644	651	559	562		
PVID, CA		395,349	399,431	8,193	8,232		
Picacho SRA, CA		0	0	4,454	4,475		
South Lyn-de Farm, CA		0	0	3	3		
State of AZ		0	0	20,062	20,158		
State of CA		845	854	27,506	27,637		
	0	0	0	0	0		
Picacho Development, CA						20	20
Hillcrest Water Co., AZ						14	14
Parker (Town), AZ (1)						563	563
Ehrenburg Imp. Assn, AZ						264	264
Parker Dam/Gov Camp, CA (2)						195	195
BLM Permitees CA (3)						220	220
BLM Permitees AZ (4)						496	496
Brooke Water, AZ						249	249
CRIT Domestic, AZ (5)						67	67
Poston, AZ						54	54
Cibola, AZ						24	24
Martinez Lake, AZ**						1	1
Earp, CA**						133	133
Vidal, CA**						5	5
Palo Verde, CA						33	33
Big River, CA						177	177
Blythe, CA (1)						1,702	1,702
Ripley, CA**						53	53
----------						0	0
	Check Totals	756,405	764,214	350,045	351,718	4,270	4,270

2000 LCRAS Sheet B

Parker Dam to Imperial Dam Water Balance Table 2000 MONTHLY WATER BALANCE

(This sheet calculates the water balancet on a monthly basis.)
(This sheet uses monthly values from the other sheets.)

(All values in acre-feet)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
INFLOW													
Qus	419,300	524,800	712,900	869,600	871,500	821,400	873,700	703,500	668,400	575,700	442,500	412,400	7,895,700
Trm	0	0	0	0	0	0	0	0	0	0	0	0	0
Trum	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	33,750
Total	422,113	527,613	715,713	872,413	874,313	824,213	876,513	706,313	671,213	578,513	445,313	415,213	7,929,450
OUTFLOW													
Qex	0	0	0	0	0	0	0	0	0	0	0	0	0
Sr	(1,894)	3,607	(1,772)	691	46	(260)	(17)	(26)	2,958	(1,620)	(2,206)	1,496	1,003
Sa	0	0	0	0	0	0	0	0	0	0	0	0	0
Cud	308	303	330	364	405	413	405	430	358	351	308	296	4,270
ETcrop	20,988	34,347	45,337	77,101	93,172	111,553	106,161	92,348	76,695	46,729	31,422	20,552	756,406
ETpht	6,497	7,596	14,045	28,362	49,687	58,836	60,474	51,323	38,415	20,086	8,926	5,796	350,043
E	1,604	1,900	3,420	6,194	8,282	9,194	9,627	7,530	6,818	3,785	2,884	1,643	62,882
Qds	385,382	441,471	602,687	697,208	694,814	637,291	661,536	558,942	519,135	522,608	417,443	388,624	6,527,141
Total	412,884	489,225	664,047	809,919	846,406	817,027	838,186	710,547	644,379	591,940	458,778	418,407	7,701,745
(INFLOW -OUTFLOW)													
	9,229	38,387	51,665	62,494	27,907	7,185	38,327	(4,235)	26,834	(13,427)	(13,466)	(3,195)	227,705

	Inflow
Qus	Flow @ Upstream Boundary
Trm	Measured Tributary Inflow
Trum	Unmeasured Tributary Inflow
	Outflow
Qex	Export Flow
Sr	Change in Reservoir Storage
Sa	Change in Aquifer Storage
Cud	Domestic,Municipal&Industrial Use
ETcrop	Crop Evapotranspiration
ETpht	Phreatophyte Evapotranspiration
E	Open-Water Evaporation
Qds	Flow @ Downstream Boundary

2000 LCRAS Sheet C

Parker Dam to Imperial Dam Water Balance Table 2000 Qus, and Trm and Trum INFLOW COMPONENTS

(Sheet to calculate the inflow components Qus, and Trm and Trum)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
Qus, Flow at upstream boundary													
Total	419300	524800	712900	869600	871500	821400	873700	703500	668400	575700	442500	412400	7895700
Station			from USGS Arizona District database (see data file park2imp.wk4)										
Parker Dam	419300	524800	712900	869600	871500	821400	873700	703500	668400	575700	442500	412400	7895700
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
Trm, Measured Tributary Inflow													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Station													
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
Trum, Unmeasured Tributary Inflow													
Total	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	2,813	33750
Unmeasured runoff			pg. 46, USGS Water Supply Paper 2407										
Whipple Mountains	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	1150
Big Marie-Riverside Mountains	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	2300
Palo Verde-Mule Mountains	100	100	100	100	100	100	100	100	100	100	100	100	1200
Dome Rock-Trigo-Chocolate Mountains	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	16200
Unmeasured runoff in tributary streams			pg. 46, USGS Water Supply Paper 2407										
Vidal Wash	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	1300
Bouse Wash	400	400	400	400	400	400	400	400	400	400	400	400	4800
Tyson Wash	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	2600
McCoy Wash	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	800
Milpitas Wash	100	100	100	100	100	100	100	100	100	100	100	100	1200
Ground-water discharge			pg. 46, USGS Water Supply Paper 2407										
Bouse Wash	100	100	100	100	100	100	100	100	100	100	100	100	1200
Tyson Wash	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	350
Vidal Wash	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	250
Chuckwalla Valley	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	400

2000 LCRAS Sheet D

Parker Dam to Imperial Dam Water Balance Table 2000 Qex, Sr, and Sa OUTFLOW COMPONENTS

(Sheet to calculate outflow components Qex, Sr, and Sa)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
Qex, Flow Exported													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Station													
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
Sr, Change in Reservoir Storage (End of Month (EOM) contents [reported 12midnight last day of month] - Beginning of Month (BOM) contents [reported 12 midnight last day of month pric													
Total	-1894	3607	-1772	691	46	-260	-17	-26	2958	-1620	-2206	1496	1003
Reservoir													
Senator Wash				from USGS California database & USBR Operations Records (see data file park2imp.wk4)									
EOM	3203	6810	5038	5729	5775	5515	5498	5472	8430	6810	4604	6100	
BOM	5097	3203	6810	5038	5729	5775	5515	5498	5472	8430	6810	4604	
Change	-1894	3607	-1772	691	46	-260	-17	-26	2958	-1620	-2206	1496	1003

EOM	0	0	0	0	0	0	0	0	0	0	0	0	
BOM	0	0	0	0	0	0	0	0	0	0	0	0	
Change	0	0	0	0	0	0	0	0	0	0	0	0	0
Sa, Change in Aquifer Storage													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Station				page 50, USGS Water Supply Paper 2407									
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet E

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate the outflow component CUd)

2000 CUd OUTFLOW COMPONENT

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
CUd, Domestic, Municipal and Industrial Use													
Total	308	303	330	364	405	413	405	430	358	351	308	296	4270
Consumptive Use (estimated as 60% of diversion per Domestic Water Use Study of Boulder City NV 1988-1992, see file bcwater.wk1)													
Picacho Development, CA	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	20
Hillcrest Water Co., AZ	0.82	0.74	0.81	1.24	1.15	1.25	1.49	1.21	1.17	1.53	1.04	1.17	14
Parker (Town), AZ (1)	31.02	30.64	40.11	51.58	58.22	65.13	67.93	60.14	53.32	44.34	31.95	28.28	563
Ehrenburg Imp. Assn, AZ	15.84	16.38	15.60	22.08	26.70	28.14	28.08	35.88	23.94	20.28	17.76	13.80	264
Parker Dam/Gov Camp, CA (2)	11.00	11.00	18.00	17.00	24.00	24.00	25.00	26.00	13.00	16.00	6.00	4.00	195
BLM Permitees CA (3)	12.15	12.58	17.36	19.57	23.77	32.69	21.86	20.59	18.54	16.12	11.80	12.85	220
BLM Permitees AZ (4)	33.31	28.12	34.09	42.11	56.80	46.22	42.98	68.60	33.45	43.76	35.09	31.14	496
Brooke Water, AZ	16.08	15.30	16.44	20.40	25.08	25.62	28.14	27.06	23.34	19.08	16.92	15.84	249
CRIT Domestic, AZ (5)	4.27	4.89	3.66	6.18	5.86	6.77	5.67	6.58	7.50	5.84	4.34	5.08	67
----------	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
----------	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0

(1) - Town of Parker AZ only. Excludes CRIT Domestic.

(2) - Monthly consumptive use per Decree Accounting diversion & return flow estimates.

(3) - Includes Riverland, Emerald Cove/Desert Riveria, Rio Del Colorado, Rite Spot, Windmill, Echo Lodge, Big Bend, River Lodge, Sunshine, Bullfrog, Empire Landing, Quail Hollow Developments, South Mesa (potable), Squaw Lake (irrigation), Walter's Camp, and Sportsman's Water Co.

(4) - Includes Buckskin Mountain & River Island State Parks, La Paz County Park/Golf Course, Paria Flats Recreation Area, and Hidden Shores (formerly Imperial Oasis)

(5) - Monthly consumptive use is 60% of [gallons used (per Town of Parker report) + 6% estimated losses].

Use Estimated by Per-Capia Rates		0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	
0.14	ac-ft per year*													
Town Name	(population per 2000 U.S. Census data unless otherwise noted, see AZ2000.pdf & CA2000.pdf data files)													
Poston, AZ	population	389	389	389	389	389	389	389	389	389	389	389	389	
	CU	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	54
Cibola, AZ	population	172	172	172	172	172	172	172	172	172	172	172	172	
	CU	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24
Martinez Lake, AZ**	population	10	10	10	10	10	10	10	10	10	10	10	10	
	CU	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1
Earp, CA**	population	950	950	950	950	950	950	950	950	950	950	950	950	
	CU	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	133
Vidal, CA**	population	36	36	36	36	36	36	36	36	36	36	36	36	
	CU	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	5
Palo Verde, CA	population	236	236	236	236	236	236	236	236	236	236	236	236	
	CU	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	33
Big River, CA	population	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	
	CU	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	177
Blythe, CA (1)	population	12158	12158	12158	12158	12158	12158	12158	12158	12158	12158	12158	12158	
	CU	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	1702
Ripley, CA**	population	376	376	376	376	376	376	376	376	376	376	376	376	
	CU	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	53
----------		0	0	0	0	0	0	0	0	0	0	0	0	
	CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

* - See text of 1997 LCRAS Report, "Domestic Use" section

** - Per 1992 U.S. Census data estimate, 2000 Census data unavailable.

(1) - Includes population of 3 for East Blythe, CA

2000 LCRAS Sheet F

Parker Dam to Imperial Dam Water Balance Table 2000 ETcrop OUTFLOW COMPONENT

(Sheet to calculate outflow component ETcrop)

(All values in acre-feet)

ETcrop, Crop Evapotranspiration

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total	20988	34347	45337	77101	93172	111553	106161	92348	76695	46729	31422	20552	756406
Diverter													
Arkelian Farm, AZ	26	34	52	113	192	238	258	248	219	118	42	25	1565
Bernal Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Cibola Valley I&DD, AZ	257	449	594	1199	1516	1914	2326	2375	2115	1192	446	248	14629
Cibola NWR, AZ	262	483	776	1193	1062	729	579	479	398	257	204	182	6603
Cibola NWR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Clark Farm, CA	18	31	37	60	74	91	82	67	56	38	31	19	604
CRIR, AZ	9706	16065	20718	33944	40342	49697	47090	40472	32311	19672	14218	9472	333708
CRIR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehrenberg Farm, AZ	23	40	49	139	206	309	439	483	437	244	59	25	2454
Imperial NWR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Imperial NWR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
North Lyn-de Farm, CA	0	0	0	0	0	1	1	0	0	0	0	0	4
PVID, AZ	12	20	25	48	68	94	105	102	86	49	23	13	644
PVID, CA	10651	17189	23028	40321	49605	58368	55167	48024	40991	25105	16363	10538	395349
Picacho SRA, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
South Lyn-de Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
State of AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
State of CA	32	36	58	84	108	112	115	98	81	54	37	31	845
0	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet G

Parker Dam to Imperial Dam Water Balance Table 2000 ETpht OUTFLOW COMPONENT

(Sheet to calculate outflow component ETpht)

(All values in acre-feet)

ETpht, Phreatophyte Evapotranspiration

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total	6497	7596	14045	28362	49687	58836	60474	51323	38415	20086	8926	5796	350043
Diverter													
Arkelian Farm, AZ	76	88	126	179	281	324	334	284	220	131	79	68	2191
Bernal Farm, CA	20	23	44	97	174	204	210	178	129	66	28	17	1189
Cibola Valley I&DD, AZ	123	144	259	506	884	1035	1064	901	658	351	161	110	6197
Cibola NWR, AZ	657	770	1657	3788	6788	7988	8203	6949	5056	2542	1016	580	45995
Cibola NWR, CA	256	301	662	1516	2750	3217	3301	2792	1996	993	394	227	18406
Clark Farm, CA	3	4	6	11	19	22	23	20	14	8	4	3	137
CRIR, AZ	2657	3103	5377	10613	18691	22395	23042	19576	14875	8003	3651	2368	134351
CRIR, CA	676	790	1400	2778	4945	5906	6073	5156	3886	2064	931	604	35206
Ehrenberg Farm, AZ	0	0	0	0	0	0	0	0	0	0	0	0	1
Imperial NWR, AZ	459	537	1146	2324	3825	4408	4526	3841	2877	1411	603	412	26368
Imperial NWR, CA	287	336	768	1676	2829	3280	3368	2857	2122	1032	413	256	19225
North Lyn-de Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	2
PVID, AZ	9	11	22	46	80	95	98	83	62	32	13	8	559
PVID, CA	196	229	373	657	1120	1325	1362	1158	880	479	239	176	8193
Picacho SRA, CA	76	89	178	365	634	754	774	658	500	251	107	68	4454
South Lyn-de Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	3
State of AZ	435	509	873	1612	2802	3305	3395	2882	2160	1148	549	391	20062
State of CA	566	662	1155	2192	3865	4576	4701	3989	2978	1576	737	508	27506
0	0	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table

2000 E and Qds OUTFLOW COMPONENTS

(Sheet to calculate outflow components E and Qds)

(All values in acre-feet)		January	February	March	April	May	June	July	August	September	October	November	December	Total
Qds Flow at Downstream Boundary (includes Qrf)														
Total		385382	441471	602687	697208	694814	637291	661536	558942	519135	522608	417443	388624	6527141
Imperial Dam (1)														
Station		from USGS Arizona/California District databases and USBR AVM Records (see data files park2imp.wk4 & 00sta3avm.wk4												
AAC Station 60		322000	365000	487900	578900	552900	507300	529200	440400	412100	399700	348500	324900	5268800
GGMC Station 30 (AVM)		40267	50426	67676	83044	102095	98787	95512	75868	75953	61936	44930	38133	834627
Mittry Lake		895	805	861	774	799	774	984	984	952	922	833	861	10444
Colo River Sluiceway		22220	25240	46250	34490	39020	30430	35840	41690	30130	60050	23180	24730	413270

(1) - Flow exiting dam is the total of measurements made at Station 60 (All-American Canal), Station 30 (Gila Gravity Main Canal [GGMC]), Mittry Lake Diversion (Control Gate/Meter @ Headworks of GGMC), and Sluiceway (Colorado River Gauge below Imperial Dam).

E, Open-Water Evaporation (Surface Evaporation= acres X ((evaporation - precipitation)/12)))														
Total		1604	1900	3420	6194	8282	9194	9627	7530	6818	3785	2884	1643	62882
Lake (2)														
River sec1	acres	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	
	Ac-ft	494	584	1098	1986	2713	2976	3076	2415	2145	1326	905	492	20209
River sec2	acres	3404	3404	3404	3404	3404	3404	3404	3404	3404	3404	3404	3404	
	Ac-ft	420	497	934	1690	2309	2532	2618	2055	1825	1128	770	419	17198
River sec3	acres	4606	4606	4606	4606	4606	4606	4606	4606	4606	4606	4606	4606	
	Ac-ft	627	745	1258	2283	2950	3340	3566	2775	2586	1197	1099	667	23092
Senator Wash	acres	306	306	306	306	306	306	306	306	306	306	306	306	
	Ac-ft	42	49	84	152	196	222	237	184	172	79	73	44	1534
Cibola Lake	acres	168	168	168	168	168	168	168	168	168	168	168	168	
	Ac-ft	21	25	46	83	114	125	129	101	90	56	38	21	849
----------	acres	0	0	0	0	0	0	0	0	0	0	0	0	
	Ac-ft	0	0	0	0	0	0	0	0	0	0	0	0	0

(2) - River Sec 1 is Parker Dam to Palo Verde Dam; River Sec 2 is Palo Verde Dam to Imperial NWR; & River Sec 3 is Imperial NWR to Imperial Dam

Evaporation coefficient, monthly (Jensen, 1999)													
	0.52	0.57	0.67	0.79	0.84	0.89	0.89	0.85	0.89	0.86	0.87	0.57	
Reference ET, inches	(THESE VALUES FROM ANOTHER WORKSHEET)												
CRIT-PVID (averaged)	2.85	3.32	5.23	7.54	9.69	10.12	10.37	8.84	7.23	4.81	3.12	2.59	75.71
Yuma Area (Averaged)	3.14	3.51	5.28	7.53	9.15	9.81	10.44	9.14	7.57	4.59	3.29	3.05	76.50
Evaporation, inches (Evaporation = Reference ET X Evaporation coefficient)													
CRIT-PVID (averaged)	1.48	1.89	3.50	5.96	8.14	9.01	9.23	7.51	6.43	4.14	2.71	1.48	61.49
Yuma Area (Averaged)	1.63	2.00	3.54	5.95	7.69	8.73	9.29	7.77	6.74	3.95	2.86	1.74	61.88
Precipitation, inches	(THESE VALUES FROM ANOTHER WORKSHEET)												
CRIT-PVID (averaged)	0.00	0.14	0.21	0.00	0.00	0.08	0.00	0.27	0.00	0.16	0.00	0.00	0.86
Yuma Area (Averaged)	0.00	0.06	0.26	0.00	0.00	0.03	0.00	0.54	0.00	0.83	0.00	0.00	1.72

2000 E and Qds OUTFLOW COMPONENTS

Parker Dam to Imperial Dam Water Balance Table

(All values in acre-feet)		January	February	March	April	May	June	July	August	September	October	November	December	Total
Open-Water Evaporation Within District and Shared Canal Evaporation (3)														
[added to Diverters Ag ET; Surface Evaporation = acres X ((evaporation - precipitation/12))]														
CRIR, AZ	acres	279.29	279.29	279.29	279.29	279.29	279.29	279.29	279.29	279.29	279.29	279.29	279.29	
(see Sheet O)	Ac-ft	34	41	77	139	189	208	215	169	150	93	63	34	1411
PVID, CA	acres	712.64	712.64	712.64	712.64	712.64	712.64	712.64	712.64	712.64	712.64	712.64	712.64	
(see Sheet V)	Ac-ft	88	104	196	354	483	530	548	430	382	236	161	88	3600

(3) - Open water surface area of larger canals, distribution laterals, and storage ponds distinguishable on 10 meter IRS imagery

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Arkelian Farm, AZ)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	26	34	52	113	192	238	258	248	219	118	42	25	1565
On-District Open-Water Evap.													
Arkelian Farm, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Arkelian Farm, AZ	76	88	126	179	281	324	334	284	220	131	79	68	2191
Monthly ET values													
Alfalfa-perennial	10	18	21	34	42	52	46	38	32	21	17	11	344
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	26	46	80	139	166	152	82	8	0	699
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	8	31	56	55	20	0	0	0	0	0	169
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	15	17	23	22	48	51	53	44	35	15	17	14	353
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Arkelian Farm, AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	53	62	77	72	90	93	96	81	67	48	44	49	832
Sc-low	0	0	1	2	4	6	6	5	4	2	1	0	32
Sc-high	1	1	4	10	18	20	21	17	11	5	2	1	112
Sc/ms	2	3	5	13	24	29	29	25	18	9	4	2	162
Sc/aw	2	2	4	11	20	24	24	21	16	8	3	2	136
Sc/ms/aw	1	1	1	3	5	6	7	6	4	2	1	0	37
Ms-low	10	11	18	36	63	80	84	72	59	36	15	8	492
Ms-high	0	1	1	2	4	5	5	5	4	2	1	0	31
Ms/aw	1	1	1	2	4	5	5	5	4	2	1	0	31
Aw	2	2	5	11	19	22	22	19	13	6	3	2	124
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	4	4	8	17	29	34	35	30	21	11	5	3	201

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Arkelian Farm, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Arkelian Farm, AZ Acreages (acres)												
Total Agricultural Acres	431	431	431	431	431	431	431	431	431	431	431	431
Alfalfa-perennial	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26	64.26
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	226.83	226.83	226.83	226.83	226.83	226.83	226.83	226.83	226.83	226.83	226.83	226.83
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	68.38	68.38	68.38	68.38	68.38	68.38	68.38	68.38	68.38	68.38	68.38	68.38
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	71.08	71.08	71.08	71.08	71.08	71.08	71.08	71.08	71.08	71.08	71.08	71.08
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Arkelian Farm, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Arkelian Farm, AZ Acreages (acres)												
Total Phreatophyte Acres	716	716	716	716	716	716	716	716	716	716	716	716
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	407.03	407.03	407.03	407.03	407.03	407.03	407.03	407.03	407.03	407.03	407.03	407.03
Sc-low	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61
Sc-high	22.41	22.41	22.41	22.41	22.41	22.41	22.41	22.41	22.41	22.41	22.41	22.41
Sc/ms	30.19	30.19	30.19	30.19	30.19	30.19	30.19	30.19	30.19	30.19	30.19	30.19
Sc/aw	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25
Sc/ms/aw	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11
Ms-low	127.32	127.32	127.32	127.32	127.32	127.32	127.32	127.32	127.32	127.32	127.32	127.32
Ms-high	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33
Ms/aw	6.73	6.73	6.73	6.73	6.73	6.73	6.73	6.73	6.73	6.73	6.73	6.73
Aw	27.03	27.03	27.03	27.03	27.03	27.03	27.03	27.03	27.03	27.03	27.03	27.03
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	48.09	48.09	48.09	48.09	48.09	48.09	48.09	48.09	48.09	48.09	48.09	48.09

2000 LCRAS Sheet I, Page 5 of 5 2000 TOTAL DIVERTER ET
Parker Dam to Imperial Dam Water Balance Table (Sheet to calculate ET for Arkelian Farm, AZ)
Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Bernal Farm, CA)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Bernal Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Bernal Farm, CA	20	23	44	97	174	204	210	178	129	66	28	17	1189
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Bernal Farm, CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	3	4	5	4	5	6	6	5	4	3	3	3	51
Sc-low	1	1	1	3	7	10	10	9	7	4	1	1	54
Sc-high	1	2	6	14	25	28	28	24	15	7	2	1	153
Sc/ms	4	5	9	23	43	51	52	44	31	16	6	3	288
Sc/aw	2	2	4	9	16	19	20	17	13	6	3	1	111
Sc/ms/aw	3	3	6	14	25	30	31	26	21	11	4	2	177
Ms-low	1	1	1	2	4	5	5	4	4	2	1	1	31
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	1
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	3	4	8	17	30	35	36	30	20	10	4	3	200
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	2	3	5	11	18	21	21	18	13	7	3	2	124

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Bernal Farm, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Bernal Farm, CA Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Bernal Farm, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Bernal Farm, CA Acreages (acres)												
Total Phreatophyte Acres	259	259	259	259	259	259	259	259	259	259	259	259
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	24.90	24.90	24.90	24.90	24.90	24.90	24.90	24.90	24.90	24.90	24.90	24.90
Sc-low	13.01	13.01	13.01	13.01	13.01	13.01	13.01	13.01	13.01	13.01	13.01	13.01
Sc-high	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49
Sc/ms	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73
Sc/aw	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46
Sc/ms/aw	33.67	33.67	33.67	33.67	33.67	33.67	33.67	33.67	33.67	33.67	33.67	33.67
Ms-low	7.98	7.98	7.98	7.98	7.98	7.98	7.98	7.98	7.98	7.98	7.98	7.98
Ms-high	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	43.57	43.57	43.57	43.57	43.57	43.57	43.57	43.57	43.57	43.57	43.57	43.57
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	29.58	29.58	29.58	29.58	29.58	29.58	29.58	29.58	29.58	29.58	29.58	29.58

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Bernal Farm, CA)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD], AZ)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	257	449	594	1199	1516	1914	2326	2375	2115	1192	446	248	14629
On-District Open-Water Evap.													
Cibola Valley I&DD, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Cibola Valley I&DD, AZ	123	144	259	506	884	1035	1064	901	658	351	161	110	6197
Monthly ET values													
Alfalfa-perennial	211	362	440	703	867	1076	959	791	661	444	360	225	7098
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	229	410	705	1230	1464	1347	722	72	0	6180
Small Grain	42	84	148	206	117	0	0	0	0	0	0	16	613
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	5	17	20	13	5	60
Bermuda	0	0	0	55	119	129	132	111	88	5	0	0	639
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	2	4	4	4	1	0	0	0	16
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	3	3	5	7	0	0	0	0	0	1	1	2	23
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	46	53	66	62	77	80	82	70	57	41	38	42	715
Sc-low	4	5	8	19	49	66	68	58	47	25	10	4	363
Sc-high	17	21	66	162	290	321	329	275	176	81	27	15	1780
Sc/ms	8	9	18	45	84	100	103	87	62	31	13	7	567
Sc/aw	4	4	8	20	37	44	45	39	29	15	6	3	256
Sc/ms/aw	2	2	4	11	20	24	24	21	16	8	3	2	138
Ms-low	16	19	31	62	108	138	144	123	100	61	26	14	842
Ms-high	4	5	9	21	38	46	47	40	33	19	8	4	275
Ms/aw	5	6	12	26	45	57	58	50	40	21	9	5	333
Aw	7	8	16	37	64	75	77	65	43	22	9	6	430
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	9	10	20	42	72	84	86	73	53	28	13	8	498

 2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Cibola Valley I&DD, AZ												
Acreages (acres)												
Total Agricultural Acres	3879	3879	3879	3879	3879	3879	3879	3879	3879	3879	3879	3879
Alfalfa-perennial	1327.80	1327.80	1327.80	1327.80	1327.80	1327.80	1327.80	1327.80	1327.80	1327.80	1327.80	1327.80
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	2005.91	2005.91	2005.91	2005.91	2005.91	2005.91	2005.91	2005.91	2005.91	2005.91	2005.91	2005.91
Small Grain	299.44	299.44	299.44	299.44	299.44	299.44	299.44	299.44	299.44	299.44	299.44	299.44
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14
Bermuda	177.95	177.95	177.95	177.95	177.95	177.95	177.95	177.95	177.95	177.95	177.95	177.95
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Cibola Valley I&DD, AZ Acreages (acres)												
Total Phreatophyte Acres	1533	1533	1533	1533	1533	1533	1533	1533	1533	1533	1533	1533
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	349.66	349.66	349.66	349.66	349.66	349.66	349.66	349.66	349.66	349.66	349.66	349.66
Sc-low	87.19	87.19	87.19	87.19	87.19	87.19	87.19	87.19	87.19	87.19	87.19	87.19
Sc-high	355.50	355.50	355.50	355.50	355.50	355.50	355.50	355.50	355.50	355.50	355.50	355.50
Sc/ms	106.03	106.03	106.03	106.03	106.03	106.03	106.03	106.03	106.03	106.03	106.03	106.03
Sc/aw	49.40	49.40	49.40	49.40	49.40	49.40	49.40	49.40	49.40	49.40	49.40	49.40
Sc/ms/aw	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25
Ms-low	217.68	217.68	217.68	217.68	217.68	217.68	217.68	217.68	217.68	217.68	217.68	217.68
Ms-high	56.59	56.59	56.59	56.59	56.59	56.59	56.59	56.59	56.59	56.59	56.59	56.59
Ms/aw	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76
Aw	93.65	93.65	93.65	93.65	93.65	93.65	93.65	93.65	93.65	93.65	93.65	93.65
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	119.13	119.13	119.13	119.13	119.13	119.13	119.13	119.13	119.13	119.13	119.13	119.13

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD], AZ)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], AZ)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	262	483	776	1193	1062	729	579	479	398	257	204	182	6603
On-District Open-Water Evap.													
Cibola NWR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Cibola NWR, AZ	657	770	1657	3788	6788	7988	8203	6949	5056	2542	1016	580	45995
Monthly ET values													
Alfalfa-perennial	112	192	234	373	461	571	510	420	351	236	191	119	3770
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	144	284	503	699	399	0	0	0	0	0	0	54	2085
Field Grain	0	0	25	83	138	90	0	0	0	0	0	0	337
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	10	23	24	25	21	17	1	0	0	121
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	6	6	13	27	41	43	44	38	31	20	13	8	290
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	23	26	130	279	358	374	384	327	266	95	25	21	2307
Barren	43	50	62	58	72	75	77	66	54	39	36	39	671
Sc-low	41	48	76	179	469	641	659	562	455	239	93	39	3500
Sc-high	110	132	413	1018	1821	2016	2066	1729	1108	508	169	97	11188
Sc/ms	120	140	276	684	1273	1516	1553	1323	938	470	194	104	8590
Sc/aw	56	65	126	307	565	670	686	585	445	223	91	48	3868
Sc/ms/aw	26	31	59	144	265	315	323	275	219	113	45	23	1838
Ms-low	54	63	102	204	356	453	474	404	330	202	85	47	2773
Ms-high	43	51	94	215	385	471	484	412	337	191	83	40	2807
Ms/aw	38	44	82	180	319	399	413	353	282	147	61	33	2351
Aw	73	86	172	383	671	785	805	676	452	226	93	64	4486
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	29	34	65	137	234	272	279	238	172	89	41	25	1615

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Cibola NWR, AZ												
Acreages (acres)												
Total Agricultural Acres	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958
Alfalfa-perennial	705.21	705.21	705.21	705.21	705.21	705.21	705.21	705.21	705.21	705.21	705.21	705.21
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	1018.60	1018.60	1018.60	1018.60	1018.60	1018.60	1018.60	1018.60	1018.60	1018.60	1018.60	1018.60
Field Grain	141.26	141.26	141.26	141.26	141.26	141.26	141.26	141.26	141.26	141.26	141.26	141.26
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	33.82	33.82	33.82	33.82	33.82	33.82	33.82	33.82	33.82	33.82	33.82	33.82
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	59.47	59.47	59.47	59.47	59.47	59.47	59.47	59.47	59.47	59.47	59.47	59.47
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Cibola NWR, AZ Acreages (acres)												
Total Phreatophyte Acres	9657	9657	9657	9657	9657	9657	9657	9657	9657	9657	9657	9657
Marsh	385.82	385.82	385.82	385.82	385.82	385.82	385.82	385.82	385.82	385.82	385.82	385.82
Barren	328.19	328.19	328.19	328.19	328.19	328.19	328.19	328.19	328.19	328.19	328.19	328.19
Sc-low	841.67	841.67	841.67	841.67	841.67	841.67	841.67	841.67	841.67	841.67	841.67	841.67
Sc-high	2233.79	2233.79	2233.79	2233.79	2233.79	2233.79	2233.79	2233.79	2233.79	2233.79	2233.79	2233.79
Sc/ms	1605.20	1605.20	1605.20	1605.20	1605.20	1605.20	1605.20	1605.20	1605.20	1605.20	1605.20	1605.20
Sc/aw	746.07	746.07	746.07	746.07	746.07	746.07	746.07	746.07	746.07	746.07	746.07	746.07
Sc/ms/aw	350.69	350.69	350.69	350.69	350.69	350.69	350.69	350.69	350.69	350.69	350.69	350.69
Ms-low	717.02	717.02	717.02	717.02	717.02	717.02	717.02	717.02	717.02	717.02	717.02	717.02
Ms-high	577.20	577.20	577.20	577.20	577.20	577.20	577.20	577.20	577.20	577.20	577.20	577.20
Ms/aw	507.24	507.24	507.24	507.24	507.24	507.24	507.24	507.24	507.24	507.24	507.24	507.24
Aw	977.61	977.61	977.61	977.61	977.61	977.61	977.61	977.61	977.61	977.61	977.61	977.61
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	386.32	386.32	386.32	386.32	386.32	386.32	386.32	386.32	386.32	386.32	386.32	386.32

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], AZ)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], CA)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Cibola NWR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Cibola NWR, CA	256	301	662	1516	2750	3217	3301	2792	1996	993	394	227	18406
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	6	6	32	68	88	91	94	80	65	23	6	5	564
Barren	21	25	31	29	36	37	38	33	27	19	18	20	333
Sc-low	23	27	42	99	260	356	366	312	252	133	51	21	1941
Sc-high	62	74	232	571	1020	1130	1158	969	621	285	95	54	6270
Sc/ms	33	39	77	190	354	421	432	368	261	131	54	29	2388
Sc/aw	24	28	54	131	241	286	293	250	190	95	39	21	1651
Sc/ms/aw	9	11	21	50	92	109	112	95	76	39	16	8	636
Ms-low	8	10	16	31	54	69	72	62	51	31	13	7	424
Ms-high	11	13	25	57	102	124	128	109	89	50	22	11	740
Ms/aw	8	9	17	38	67	83	86	74	59	31	13	7	491
Aw	24	28	57	127	222	260	267	224	150	75	31	21	1487
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	27	31	60	126	215	249	256	218	157	82	37	23	1481

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Cibola NWR, CA												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Cibola NWR, CA Acreages (acres)												
Total Phreatophyte Acres	3908	3908	3908	3908	3908	3908	3908	3908	3908	3908	3908	3908
Marsh	94.30	94.30	94.30	94.30	94.30	94.30	94.30	94.30	94.30	94.30	94.30	94.30
Barren	162.87	162.87	162.87	162.87	162.87	162.87	162.87	162.87	162.87	162.87	162.87	162.87
Sc-low	466.86	466.86	466.86	466.86	466.86	466.86	466.86	466.86	466.86	466.86	466.86	466.86
Sc-high	1251.95	1251.95	1251.95	1251.95	1251.95	1251.95	1251.95	1251.95	1251.95	1251.95	1251.95	1251.95
Sc/ms	446.24	446.24	446.24	446.24	446.24	446.24	446.24	446.24	446.24	446.24	446.24	446.24
Sc/aw	318.40	318.40	318.40	318.40	318.40	318.40	318.40	318.40	318.40	318.40	318.40	318.40
Sc/ms/aw	121.30	121.30	121.30	121.30	121.30	121.30	121.30	121.30	121.30	121.30	121.30	121.30
Ms-low	109.60	109.60	109.60	109.60	109.60	109.60	109.60	109.60	109.60	109.60	109.60	109.60
Ms-high	152.14	152.14	152.14	152.14	152.14	152.14	152.14	152.14	152.14	152.14	152.14	152.14
Ms/aw	105.95	105.95	105.95	105.95	105.95	105.95	105.95	105.95	105.95	105.95	105.95	105.95
Aw	324.01	324.01	324.01	324.01	324.01	324.01	324.01	324.01	324.01	324.01	324.01	324.01
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	354.19	354.19	354.19	354.19	354.19	354.19	354.19	354.19	354.19	354.19	354.19	354.19

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Cibola National Wildlife Refuge [NWR], CA)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Clark Farm, CA)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	18	31	37	60	74	91	82	67	56	38	31	19	604
On-District Open-Water Evap.													
Clark Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Clark Farm, CA	3	4	6	11	19	22	23	20	14	8	4	3	137
Monthly ET values													
Alfalfa-perennial	18	31	37	60	74	91	82	67	56	38	31	19	604
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Clark Farm, CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	1	2	2	2	2	3	3	2	2	1	1	1	23
Sc-low	0	0	0	0	1	1	1	1	0	0	0	0	4
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	1	2	4	5	5	4	3	2	1	0	29
Sc/aw	0	0	0	1	2	2	2	2	2	1	0	0	14
Sc/ms/aw	0	0	0	1	2	2	2	2	1	1	0	0	12
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	1	1	1	3	6	7	7	6	4	2	1	1	38
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	1	2	3	3	3	3	2	1	0	0	18

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Clark Farm, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Clark Farm, CA												
Acreages (acres)												
Total Agricultural Acres	113	113	113	113	113	113	113	113	113	113	113	113
Alfalfa-perennial	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Clark Farm, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Clark Farm, CA Acreages (acres)												
Total Phreatophyte Acres	35	35	35	35	35	35	35	35	35	35	35	35
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	11.06	11.06	11.06	11.06	11.06	11.06	11.06	11.06	11.06	11.06	11.06	11.06
Sc-low	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38
Sc/aw	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
Sc/ms/aw	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.26
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table (Sheet to calculate ET for Clark Farm, CA)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], AZ)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	9706	16065	20718	33944	40342	49697	47090	40472	32311	19672	14218	9472	333708
On-District Open-Water Evap. (from Sheet H)													
CRIR, AZ	34	41	77	139	189	208	215	169	150	93	63	34	1411
Total Phreatophyte ET													
CRIR, AZ	2657	3103	5377	10613	18691	22395	23042	19576	14875	8003	3651	2368	134351
Monthly ET values													
Alfalfa-perennial	7844	13429	16345	26079	32198	39919	35607	29364	24518	16469	13347	8337	263456
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	866	1549	2668	4653	5538	5095	2731	272	0	23372
Small Grain	688	1356	2400	3335	1902	0	0	0	0	0	0	259	9941
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	15	34	27	0	76
Lettuce-late	48	0	0	0	0	0	0	0	0	0	12	39	99
Melons-spring	0	0	100	400	716	710	253	0	0	0	0	0	2180
Melons-fall	0	0	0	0	0	0	0	8	28	32	21	8	97
Bermuda	0	0	0	503	1096	1183	1213	1018	808	50	0	0	5872
Bermuda w/ rye	11	13	17	16	36	38	39	33	26	11	12	10	264
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	482	2652	4966	5106	4339	1657	0	0	0	19201
Legume/Solanum Veg	137	156	76	0	0	0	0	0	0	29	65	115	578
Crucifers	9	0	0	0	0	0	0	0	11	11	15	14	60
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	1	1	1	3	4	4	4	4	3	2	1	1	29
Small Vegetables	933	1070	1701	2120	0	0	0	0	0	211	381	654	7070
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	32	38	186	399	513	536	550	468	380	136	36	30	3305
Barren	816	951	1184	1101	1371	1428	1465	1247	1023	732	680	748	12747
Sc-low	145	169	265	626	1640	2244	2308	1967	1591	837	324	135	12253
Sc-high	76	91	284	700	1252	1386	1421	1189	761	349	116	67	7691
Sc/ms	232	271	532	1320	2459	2926	2999	2555	1811	907	375	201	16588
Sc/aw	135	157	304	737	1358	1612	1651	1408	1071	537	220	117	9307
Sc/ms/aw	119	138	268	650	1197	1421	1455	1240	990	509	203	103	8291
Ms-low	348	407	658	1324	2304	2935	3071	2618	2141	1309	554	302	17971
Ms-high	174	203	379	864	1549	1895	1946	1657	1354	768	335	162	11287
Ms/aw	165	192	353	781	1380	1729	1790	1526	1219	637	263	143	10177
Aw	283	330	664	1479	2593	3034	3109	2612	1747	872	359	245	17327
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	133	155	300	630	1075	1248	1279	1090	787	410	186	115	7407

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], AZ)

CRIR, AZ

Acreages (acres)

	January	February	March	April	May	June	July	August	September	October	November	December
Total Agricultural Acres	74495	74495	74495	74495	74495	74495	74495	74495	74495	74495	74495	74495
Alfalfa-perennial	49282.54	49282.54	49282.54	49282.54	49282.54	49282.54	49282.54	49282.54	49282.54	49282.54	49282.54	49282.54
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	7586.15	7586.15	7586.15	7586.15	7586.15	7586.15	7586.15	7586.15	7586.15	7586.15	7586.15	7586.15
Small Grain	4857.35	4857.35	4857.35	4857.35	4857.35	4857.35	4857.35	4857.35	4857.35	4857.35	4857.35	4857.35
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	113.92	113.92	113.92	113.92	113.92	113.92	113.92	113.92	113.92	113.92	113.92	113.92
Lettuce-late	225.03	225.03	225.03	225.03	225.03	225.03	225.03	225.03	225.03	225.03	225.03	225.03
Melons-spring	879.72	879.72	879.72	879.72	879.72	879.72	879.72	879.72	879.72	879.72	879.72	879.72
Melons-fall	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25	82.25
Bermuda	1635.79	1635.79	1635.79	1635.79	1635.79	1635.79	1635.79	1635.79	1635.79	1635.79	1635.79	1635.79
Bermuda w/ rye	53.18	53.18	53.18	53.18	53.18	53.18	53.18	53.18	53.18	53.18	53.18	53.18
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	5259.43	5259.43	5259.43	5259.43	5259.43	5259.43	5259.43	5259.43	5259.43	5259.43	5259.43	5259.43
Legume/Solanum Veg	544.45	544.45	544.45	544.45	544.45	544.45	544.45	544.45	544.45	544.45	544.45	544.45
Crucifers	66.76	66.76	66.76	66.76	66.76	66.76	66.76	66.76	66.76	66.76	66.76	66.76
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
Small Vegetables	3902.60	3902.60	3902.60	3902.60	3902.60	3902.60	3902.60	3902.60	3902.60	3902.60	3902.60	3902.60
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
CRIR, AZ												
Acreages (acres)												
Total Phreatophyte Acres	32456	32456	32456	32456	32456	32456	32456	32456	32456	32456	32456	32456
Marsh	552.75	552.75	552.75	552.75	552.75	552.75	552.75	552.75	552.75	552.75	552.75	552.75
Barren	6233.29	6233.29	6233.29	6233.29	6233.29	6233.29	6233.29	6233.29	6233.29	6233.29	6233.29	6233.29
Sc-low	2946.58	2946.58	2946.58	2946.58	2946.58	2946.58	2946.58	2946.58	2946.58	2946.58	2946.58	2946.58
Sc-high	1535.70	1535.70	1535.70	1535.70	1535.70	1535.70	1535.70	1535.70	1535.70	1535.70	1535.70	1535.70
Sc/ms	3099.55	3099.55	3099.55	3099.55	3099.55	3099.55	3099.55	3099.55	3099.55	3099.55	3099.55	3099.55
Sc/aw	1794.92	1794.92	1794.92	1794.92	1794.92	1794.92	1794.92	1794.92	1794.92	1794.92	1794.92	1794.92
Sc/ms/aw	1581.46	1581.46	1581.46	1581.46	1581.46	1581.46	1581.46	1581.46	1581.46	1581.46	1581.46	1581.46
Ms-low	4646.65	4646.65	4646.65	4646.65	4646.65	4646.65	4646.65	4646.65	4646.65	4646.65	4646.65	4646.65
Ms-high	2320.78	2320.78	2320.78	2320.78	2320.78	2320.78	2320.78	2320.78	2320.78	2320.78	2320.78	2320.78
Ms/aw	2195.75	2195.75	2195.75	2195.75	2195.75	2195.75	2195.75	2195.75	2195.75	2195.75	2195.75	2195.75
Aw	3776.32	3776.32	3776.32	3776.32	3776.32	3776.32	3776.32	3776.32	3776.32	3776.32	3776.32	3776.32
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1771.77	1771.77	1771.77	1771.77	1771.77	1771.77	1771.77	1771.77	1771.77	1771.77	1771.77	1771.77

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], AZ)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], CA)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
CRIR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
CRIR, CA	676	790	1400	2778	4945	5906	6073	5156	3886	2064	931	604	35206
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	11	12	61	131	168	176	180	154	125	45	12	10	1084
Barren	221	257	321	298	371	387	397	338	277	198	184	203	3452
Sc-low	55	64	101	238	623	852	877	747	604	318	123	51	4654
Sc-high	45	54	168	415	741	821	842	704	451	207	69	39	4556
Sc/ms	63	74	145	359	669	796	815	695	492	247	102	55	4511
Sc/aw	37	43	83	201	370	439	449	383	291	146	60	32	2533
Sc/ms/aw	27	32	61	148	273	324	332	283	226	116	46	23	1890
Ms-low	78	91	147	296	515	656	686	585	479	293	124	68	4017
Ms-high	30	35	65	149	267	326	335	285	233	132	58	28	1942
Ms/aw	31	36	67	148	261	327	338	289	230	120	50	27	1924
Aw	49	57	114	254	446	521	534	449	300	150	62	42	2977
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	30	35	67	142	242	280	287	245	177	92	42	26	1665

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], CA)

CRIR, CA

Acreages (acres)

	January	February	March	April	May	June	July	August	September	October	November	December
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
CRIR, CA												
Acreages (acres)												
Total Phreatophyte Acres	8490	8490	8490	8490	8490	8490	8490	8490	8490	8490	8490	8490
Marsh	181.36	181.36	181.36	181.36	181.36	181.36	181.36	181.36	181.36	181.36	181.36	181.36
Barren	1688.06	1688.06	1688.06	1688.06	1688.06	1688.06	1688.06	1688.06	1688.06	1688.06	1688.06	1688.06
Sc-low	1119.20	1119.20	1119.20	1119.20	1119.20	1119.20	1119.20	1119.20	1119.20	1119.20	1119.20	1119.20
Sc-high	909.74	909.74	909.74	909.74	909.74	909.74	909.74	909.74	909.74	909.74	909.74	909.74
Sc/ms	842.84	842.84	842.84	842.84	842.84	842.84	842.84	842.84	842.84	842.84	842.84	842.84
Sc/aw	488.44	488.44	488.44	488.44	488.44	488.44	488.44	488.44	488.44	488.44	488.44	488.44
Sc/ms/aw	360.60	360.60	360.60	360.60	360.60	360.60	360.60	360.60	360.60	360.60	360.60	360.60
Ms-low	1038.62	1038.62	1038.62	1038.62	1038.62	1038.62	1038.62	1038.62	1038.62	1038.62	1038.62	1038.62
Ms-high	399.39	399.39	399.39	399.39	399.39	399.39	399.39	399.39	399.39	399.39	399.39	399.39
Ms/aw	415.14	415.14	415.14	415.14	415.14	415.14	415.14	415.14	415.14	415.14	415.14	415.14
Aw	648.89	648.89	648.89	648.89	648.89	648.89	648.89	648.89	648.89	648.89	648.89	648.89
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	398.21	398.21	398.21	398.21	398.21	398.21	398.21	398.21	398.21	398.21	398.21	398.21

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Colorado River Indian Reservation [CRIR], CA)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Ehrenberg Farm, AZ)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	23	40	49	139	206	309	439	483	437	244	59	25	2454
On-District Open-Water Evap.													
Ehrenberg Farm, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Ehrenberg Farm, AZ	0	0	0	0	0	0	0	0	0	0	0	0	1
Monthly ET values													
Alfalfa-perennial	23	40	49	78	96	119	106	87	73	49	40	25	783
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	62	111	191	333	396	364	195	19	0	1671
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Ehrenberg Farm, AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	1
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Ehrenberg Farm, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Ehrenberg Farm, AZ Acreages (acres)												
Total Agricultural Acres	689	689	689	689	689	689	689	689	689	689	689	689
Alfalfa-perennial	146.55	146.55	146.55	146.55	146.55	146.55	146.55	146.55	146.55	146.55	146.55	146.55
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	542.32	542.32	542.32	542.32	542.32	542.32	542.32	542.32	542.32	542.32	542.32	542.32
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Ehrenberg Farm, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Ehrenberg Farm, AZ Acreages (acres)												
Total Phreatophyte Acres	0	0	0	0	0	0	0	0	0	0	0	0
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Ehrenberg Farm, AZ)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], AZ)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Imperial NWR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Imperial NWR, AZ	459	537	1146	2324	3825	4408	4526	3841	2877	1411	603	412	26368
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	54	63	309	666	855	894	916	781	634	227	60	50	5508
Barren	148	173	215	200	249	259	266	226	186	133	124	136	2315
Sc-low	28	32	51	119	312	428	440	375	303	160	62	26	2334
Sc-high	40	48	151	372	664	736	754	631	404	185	62	35	4083
Sc/ms	63	73	143	355	661	787	807	687	487	244	101	54	4462
Sc/aw	14	17	33	79	146	173	177	151	115	58	24	13	1000
Sc/ms/aw	6	7	14	33	61	72	74	63	50	26	10	5	422
Ms-low	25	29	47	94	164	209	219	187	153	93	39	22	1282
Ms-high	15	17	32	73	131	160	164	140	114	65	28	14	954
Ms/aw	17	20	37	81	144	180	186	159	127	66	27	15	1060
Aw	31	36	73	162	284	332	341	286	191	96	39	27	1899
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	19	22	42	89	152	177	181	154	112	58	26	16	1050

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR, AZ												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR, AZ Acreages (acres)												
Total Phreatophyte Acres	5958	5958	5958	5958	5958	5958	5958	5958	5958	5958	5958	5958
Marsh	921.24	921.24	921.24	921.24	921.24	921.24	921.24	921.24	921.24	921.24	921.24	921.24
Barren	1132.07	1132.07	1132.07	1132.07	1132.07	1132.07	1132.07	1132.07	1132.07	1132.07	1132.07	1132.07
Sc-low	561.35	561.35	561.35	561.35	561.35	561.35	561.35	561.35	561.35	561.35	561.35	561.35
Sc-high	815.19	815.19	815.19	815.19	815.19	815.19	815.19	815.19	815.19	815.19	815.19	815.19
Sc/ms	833.78	833.78	833.78	833.78	833.78	833.78	833.78	833.78	833.78	833.78	833.78	833.78
Sc/aw	192.91	192.91	192.91	192.91	192.91	192.91	192.91	192.91	192.91	192.91	192.91	192.91
Sc/ms/aw	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44
Ms-low	331.37	331.37	331.37	331.37	331.37	331.37	331.37	331.37	331.37	331.37	331.37	331.37
Ms-high	196.15	196.15	196.15	196.15	196.15	196.15	196.15	196.15	196.15	196.15	196.15	196.15
Ms/aw	228.63	228.63	228.63	228.63	228.63	228.63	228.63	228.63	228.63	228.63	228.63	228.63
Aw	413.84	413.84	413.84	413.84	413.84	413.84	413.84	413.84	413.84	413.84	413.84	413.84
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	251.11	251.11	251.11	251.11	251.11	251.11	251.11	251.11	251.11	251.11	251.11	251.11

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], AZ)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Imperial NWR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Imperial NWR, CA	287	336	768	1676	2829	3280	3368	2857	2122	1032	413	256	19225
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	35	41	200	431	554	579	594	506	411	147	39	32	3570
Barren	46	54	67	62	78	81	83	71	58	41	39	42	721
Sc-low	18	21	33	79	207	283	291	248	200	105	41	17	1543
Sc-high	34	40	126	311	557	616	632	529	339	155	52	30	3420
Sc/ms	54	63	124	307	572	680	697	594	421	211	87	47	3857
Sc/aw	16	18	36	87	160	190	194	165	126	63	26	14	1094
Sc/ms/aw	8	9	17	42	77	91	93	79	63	33	13	7	531
Ms-low	21	25	40	80	139	177	185	158	129	79	33	18	1084
Ms-high	13	15	28	64	115	141	144	123	100	57	25	12	837
Ms/aw	11	13	25	54	96	120	124	106	85	44	18	10	707
Aw	23	27	54	121	212	248	254	214	143	71	29	20	1417
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	8	9	18	38	64	75	76	65	47	25	11	7	443

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR, CA Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR, CA Acreages (acres)												
Total Phreatophyte Acres	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057
Marsh	596.99	596.99	596.99	596.99	596.99	596.99	596.99	596.99	596.99	596.99	596.99	596.99
Barren	352.72	352.72	352.72	352.72	352.72	352.72	352.72	352.72	352.72	352.72	352.72	352.72
Sc-low	371.15	371.15	371.15	371.15	371.15	371.15	371.15	371.15	371.15	371.15	371.15	371.15
Sc-high	682.93	682.93	682.93	682.93	682.93	682.93	682.93	682.93	682.93	682.93	682.93	682.93
Sc/ms	720.74	720.74	720.74	720.74	720.74	720.74	720.74	720.74	720.74	720.74	720.74	720.74
Sc/aw	210.99	210.99	210.99	210.99	210.99	210.99	210.99	210.99	210.99	210.99	210.99	210.99
Sc/ms/aw	101.32	101.32	101.32	101.32	101.32	101.32	101.32	101.32	101.32	101.32	101.32	101.32
Ms-low	280.30	280.30	280.30	280.30	280.30	280.30	280.30	280.30	280.30	280.30	280.30	280.30
Ms-high	172.14	172.14	172.14	172.14	172.14	172.14	172.14	172.14	172.14	172.14	172.14	172.14
Ms/aw	152.59	152.59	152.59	152.59	152.59	152.59	152.59	152.59	152.59	152.59	152.59	152.59
Aw	308.81	308.81	308.81	308.81	308.81	308.81	308.81	308.81	308.81	308.81	308.81	308.81
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	105.96	105.96	105.96	105.96	105.96	105.96	105.96	105.96	105.96	105.96	105.96	105.96

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for North Lyn-de Farm, CA)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	1	1	0	0	0	0	0	4
On-District Open-Water Evap.													
North Lyn-de Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
North Lyn-de Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	2
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	1	1	0	0	0	0	0	4
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for North Lyn-de Farm, CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	2
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for North Lyn-de Farm, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
North Lyn-de Farm, CA Acreages (acres)												
Total Agricultural Acres	1	1	1	1	1	1	1	1	1	1	1	1
Alfalfa-perennial	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for North Lyn-de Farm, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
North Lyn-de Farm, CA Acreages (acres)												
Total Phreatophyte Acres	1	1	1	1	1	1	1	1	1	1	1	1
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for North Lyn-de Farm, CA)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], AZ)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	12	20	25	48	68	94	105	102	86	49	23	13	644
On-District Open-Water Evap.													
PVID, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
PVID, AZ	9	11	22	46	80	95	98	83	62	32	13	8	559
Monthly ET values													
Alfalfa-perennial	12	20	25	40	49	60	54	44	37	25	20	13	399
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	8	14	24	42	50	46	24	2	0	209
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	1	5	9	10	8	3	0	0	0	36
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	1	3	6	8	8	8	7	6	2	1	0	49
Barren	1	1	2	2	2	2	2	2	1	1	1	1	18
Sc-low	1	1	1	3	7	9	9	8	6	3	1	1	49
Sc-high	1	1	2	5	9	9	10	8	5	2	1	0	53
Sc/ms	0	0	1	2	4	5	5	4	3	2	1	0	29
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	1	1	1	3	5	7	7	6	5	3	1	1	40
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	2
Ms/aw	3	3	6	13	22	28	29	25	20	10	4	2	164
Aw	2	2	4	9	16	19	19	16	11	5	2	2	108
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	1	2	4	7	8	8	7	5	3	1	1	46

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
PVID, AZ												
Acreages (acres)												
Total Agricultural Acres	152	152	152	152	152	152	152	152	152	152	152	152
Alfalfa-perennial	74.66	74.66	74.66	74.66	74.66	74.66	74.66	74.66	74.66	74.66	74.66	74.66
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	67.93	67.93	67.93	67.93	67.93	67.93	67.93	67.93	67.93	67.93	67.93	67.93
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	9.85	9.85	9.85	9.85	9.85	9.85	9.85	9.85	9.85	9.85	9.85	9.85
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
PVID, AZ												
Acreages (acres)												
Total Phreatophyte Acres	125	125	125	125	125	125	125	125	125	125	125	125
Marsh	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27
Barren	8.65	8.65	8.65	8.65	8.65	8.65	8.65	8.65	8.65	8.65	8.65	8.65
Sc-low	11.80	11.80	11.80	11.80	11.80	11.80	11.80	11.80	11.80	11.80	11.80	11.80
Sc-high	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Sc/ms	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	10.41	10.41	10.41	10.41	10.41	10.41	10.41	10.41	10.41	10.41	10.41	10.41
Ms-high	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
Ms/aw	35.48	35.48	35.48	35.48	35.48	35.48	35.48	35.48	35.48	35.48	35.48	35.48
Aw	23.57	23.57	23.57	23.57	23.57	23.57	23.57	23.57	23.57	23.57	23.57	23.57
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	10.93	10.93	10.93	10.93	10.93	10.93	10.93	10.93	10.93	10.93	10.93	10.93

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], AZ)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], CA)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	10651	17189	23028	40321	49605	58368	55167	48024	40991	25105	16363	10538	395349
On-District Open-Water Evap. (from Sheet H)													
PVID, CA	88	104	196	354	483	530	548	430	382	236	161	88	3600
Total Phreatophyte ET													
PVID, CA	196	229	373	657	1120	1325	1362	1158	880	479	239	176	8193
Monthly ET values													
Alfalfa-perennial	8306	14220	17308	27614	34094	42269	37703	31093	25962	17438	14133	8828	278967
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	1857	3320	5719	9975	11872	10924	5855	583	0	50105
Small Grain	902	1777	3146	4372	2493	0	0	0	0	0	0	340	13030
Field Grain	0	0	103	340	565	369	0	0	0	0	0	0	1377
Lettuce-early	0	0	0	0	0	0	0	0	181	417	339	0	937
Lettuce-late	157	0	0	0	0	0	0	0	0	0	40	129	327
Melons-spring	0	0	588	2343	4193	4158	1480	0	0	0	0	0	12762
Melons-fall	0	0	0	0	0	0	0	18	65	73	49	19	223
Bermuda	0	0	0	1145	2495	2693	2762	2318	1840	115	0	0	13367
Bermuda w/ rye	77	85	117	110	240	259	266	223	177	73	83	70	1781
Citrus-young	148	158	245	346	425	431	442	376	315	215	156	137	3394
Citrus-mature	180	196	301	421	517	525	537	458	383	266	189	167	4142
Citrus-declining	7	7	11	16	20	20	21	17	15	10	7	6	158
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	132	724	1356	1395	1185	452	0	0	0	5244
Legume/Solanum Veg	5	6	3	0	0	0	0	0	0	1	2	4	22
Crucifers	227	0	0	0	0	0	0	0	270	265	387	359	1508
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	3	4	8	15	24	25	26	22	18	12	8	5	169
Small Vegetables	549	629	1000	1247	0	0	0	0	0	124	224	384	4159
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	1	1	3	8	13	13	14	11	8	4	2	1	79
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	3	4	18	39	50	53	54	46	37	13	4	3	325
Barren	95	110	137	128	159	166	170	144	119	85	79	87	1477
Sc-low	11	13	20	48	126	172	177	151	122	64	25	10	942
Sc-high	4	5	14	35	62	69	71	59	38	17	6	3	382
Sc/ms	11	13	26	64	118	141	144	123	87	44	18	10	799
Sc/aw	8	9	17	41	76	91	93	79	60	30	12	7	523
Sc/ms/aw	5	6	11	27	50	60	61	52	41	21	9	4	348
Ms-low	17	20	32	64	112	142	149	127	104	63	27	15	872
Ms-high	1	2	3	7	12	15	16	13	11	6	3	1	91
Ms/aw	7	9	16	35	62	78	80	69	55	29	12	6	458
Aw	13	16	32	70	123	144	148	124	83	41	17	12	825
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	21	24	47	98	167	194	199	170	123	64	29	18	1153

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], CA)

PVID, CA
Acreages (acres)

	January	February	March	April	May	June	July	August	September	October	November	December
Total Agricultural Acres	95085	95085	95085	95085	95085	95085	95085	95085	95085	95085	95085	95085
Alfalfa-perennial	52183.96	52183.96	52183.96	52183.96	52183.96	52183.96	52183.96	52183.96	52183.96	52183.96	52183.96	52183.96
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	16263.30	16263.30	16263.30	16263.30	16263.30	16263.30	16263.30	16263.30	16263.30	16263.30	16263.30	16263.30
Small Grain	6366.33	6366.33	6366.33	6366.33	6366.33	6366.33	6366.33	6366.33	6366.33	6366.33	6366.33	6366.33
Field Grain	577.09	577.09	577.09	577.09	577.09	577.09	577.09	577.09	577.09	577.09	577.09	577.09
Lettuce-early	1410.75	1410.75	1410.75	1410.75	1410.75	1410.75	1410.75	1410.75	1410.75	1410.75	1410.75	1410.75
Lettuce-late	743.53	743.53	743.53	743.53	743.53	743.53	743.53	743.53	743.53	743.53	743.53	743.53
Melons-spring	5149.56	5149.56	5149.56	5149.56	5149.56	5149.56	5149.56	5149.56	5149.56	5149.56	5149.56	5149.56
Melons-fall	189.42	189.42	189.42	189.42	189.42	189.42	189.42	189.42	189.42	189.42	189.42	189.42
Bermuda(1)	3723.41	3723.41	3723.41	3723.41	3723.41	3723.41	3723.41	3723.41	3723.41	3723.41	3723.41	3723.41
Bermuda w/ rye(2)	358.13	358.13	358.13	358.13	358.13	358.13	358.13	358.13	358.13	358.13	358.13	358.13
Citrus-young	1493.94	1493.94	1493.94	1493.94	1493.94	1493.94	1493.94	1493.94	1493.94	1493.94	1493.94	1493.94
Citrus-mature	1091.32	1091.32	1091.32	1091.32	1091.32	1091.32	1091.32	1091.32	1091.32	1091.32	1091.32	1091.32
Citrus-declining	59.46	59.46	59.46	59.46	59.46	59.46	59.46	59.46	59.46	59.46	59.46	59.46
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	1436.40	1436.40	1436.40	1436.40	1436.40	1436.40	1436.40	1436.40	1436.40	1436.40	1436.40	1436.40
Legume/Solanum Veg	20.82	20.82	20.82	20.82	20.82	20.82	20.82	20.82	20.82	20.82	20.82	20.82
Crucifers	1670.67	1670.67	1670.67	1670.67	1670.67	1670.67	1670.67	1670.67	1670.67	1670.67	1670.67	1670.67
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	34.57	34.57	34.57	34.57	34.57	34.57	34.57	34.57	34.57	34.57	34.57	34.57
Small Vegetables	2295.47	2295.47	2295.47	2295.47	2295.47	2295.47	2295.47	2295.47	2295.47	2295.47	2295.47	2295.47
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	16.45	16.45	16.45	16.45	16.45	16.45	16.45	16.45	16.45	16.45	16.45	16.45
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

(1) - includes 1503.55 acres identified as klein grass; (2) - includes 301.98 acres identified as timothy grass

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
PVID, CA Acreages (acres)												
Total Phreatophyte Acres	2194	2194	2194	2194	2194	2194	2194	2194	2194	2194	2194	2194
Marsh	54.32	54.32	54.32	54.32	54.32	54.32	54.32	54.32	54.32	54.32	54.32	54.32
Barren	722.35	722.35	722.35	722.35	722.35	722.35	722.35	722.35	722.35	722.35	722.35	722.35
Sc-low	226.47	226.47	226.47	226.47	226.47	226.47	226.47	226.47	226.47	226.47	226.47	226.47
Sc-high	76.33	76.33	76.33	76.33	76.33	76.33	76.33	76.33	76.33	76.33	76.33	76.33
Sc/ms	149.35	149.35	149.35	149.35	149.35	149.35	149.35	149.35	149.35	149.35	149.35	149.35
Sc/aw	100.78	100.78	100.78	100.78	100.78	100.78	100.78	100.78	100.78	100.78	100.78	100.78
Sc/ms/aw	66.30	66.30	66.30	66.30	66.30	66.30	66.30	66.30	66.30	66.30	66.30	66.30
Ms-low	225.37	225.37	225.37	225.37	225.37	225.37	225.37	225.37	225.37	225.37	225.37	225.37
Ms-high	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66
Ms/aw	98.72	98.72	98.72	98.72	98.72	98.72	98.72	98.72	98.72	98.72	98.72	98.72
Aw	179.73	179.73	179.73	179.73	179.73	179.73	179.73	179.73	179.73	179.73	179.73	179.73
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	275.84	275.84	275.84	275.84	275.84	275.84	275.84	275.84	275.84	275.84	275.84	275.84

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the Palo Verde Irrigation District [PVID], CA)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Picacho State Recreation Area [SRA], CA)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Picacho SRA, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Picacho SRA, CA	76	89	178	365	634	754	774	658	500	251	107	68	4454
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Picacho State Recreation Area [SRA], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	6	8	37	80	102	107	109	93	76	27	7	6	658
Barren	20	23	28	26	33	34	35	30	24	18	16	18	305
Sc-low	10	12	18	43	114	155	160	136	110	58	22	9	848
Sc-high	3	4	11	28	50	55	57	47	30	14	5	3	307
Sc/ms	7	8	16	40	74	88	90	77	54	27	11	6	498
Sc/aw	5	6	12	28	52	62	63	54	41	21	8	4	357
Sc/ms/aw	1	2	3	8	14	17	17	14	12	6	2	1	97
Ms-low	3	3	5	11	19	24	26	22	18	11	5	3	149
Ms-high	0	0	1	2	3	4	4	4	3	2	1	0	24
Ms/aw	7	8	14	31	55	69	71	61	49	25	10	6	405
Aw	7	8	16	35	62	72	74	62	42	21	9	6	412
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	7	8	16	34	57	66	68	58	42	22	10	6	394

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Picacho State Recreation Area [SRA], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Picacho SRA, CA												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for Picacho State Recreation Area [SRA], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Picacho SRA, CA Acreages (acres)												
Total Phreatophyte Acres	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
Marsh	110.11	110.11	110.11	110.11	110.11	110.11	110.11	110.11	110.11	110.11	110.11	110.11
Barren	149.15	149.15	149.15	149.15	149.15	149.15	149.15	149.15	149.15	149.15	149.15	149.15
Sc-low	203.92	203.92	203.92	203.92	203.92	203.92	203.92	203.92	203.92	203.92	203.92	203.92
Sc-high	61.24	61.24	61.24	61.24	61.24	61.24	61.24	61.24	61.24	61.24	61.24	61.24
Sc/ms	92.99	92.99	92.99	92.99	92.99	92.99	92.99	92.99	92.99	92.99	92.99	92.99
Sc/aw	68.85	68.85	68.85	68.85	68.85	68.85	68.85	68.85	68.85	68.85	68.85	68.85
Sc/ms/aw	18.44	18.44	18.44	18.44	18.44	18.44	18.44	18.44	18.44	18.44	18.44	18.44
Ms-low	38.61	38.61	38.61	38.61	38.61	38.61	38.61	38.61	38.61	38.61	38.61	38.61
Ms-high	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03
Ms/aw	87.40	87.40	87.40	87.40	87.40	87.40	87.40	87.40	87.40	87.40	87.40	87.40
Aw	89.73	89.73	89.73	89.73	89.73	89.73	89.73	89.73	89.73	89.73	89.73	89.73
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	94.18	94.18	94.18	94.18	94.18	94.18	94.18	94.18	94.18	94.18	94.18	94.18

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for Picacho State Recreation Area [SRA], CA)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for South Lyn-de Farm, CA)
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
South Lyn-de Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
South Lyn-de Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	3
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for South Lyn-de Farm, CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	2
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	1
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for South Lyn-de Farm, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
South Lyn-de Farm, CA Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for South Lyn-de Farm, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
South Lyn-de Farm, CA Acreages (acres)												
Total Phreatophyte Acres	1	1	1	1	1	1	1	1	1	1	1	1
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet X, Page 5 of 5

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for South Lyn-de Farm, CA)

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the State of Arizona [AZ])
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
State of AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of AZ	435	509	873	1612	2802	3305	3395	2882	2160	1148	549	391	20062
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the State of Arizona [AZ])

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	9	11	52	112	143	150	154	131	106	38	10	8	924
Barren	199	232	289	269	335	349	358	304	250	179	166	183	3112
Sc-low	33	39	61	144	377	516	531	452	366	192	75	31	2816
Sc-high	29	34	108	265	475	525	539	451	289	132	44	25	2916
Sc/ms	33	39	77	190	354	421	431	367	260	130	54	29	2385
Sc/aw	20	24	46	112	206	245	250	214	162	81	33	18	1412
Sc/ms/aw	11	13	24	59	108	128	132	112	89	46	18	9	750
Ms-low	31	36	58	118	205	261	273	233	190	116	49	27	1597
Ms-high	6	7	13	31	55	67	69	59	48	27	12	6	401
Ms/aw	11	13	23	52	91	114	118	101	80	42	17	9	671
Aw	25	29	59	131	230	269	275	231	155	77	32	22	1534
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	28	32	63	132	224	260	267	227	164	86	39	24	1545

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the State of Arizona [AZ])

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet Y, Page 4 of 5 2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ])

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ												
Acreages (acres)												
Total Phreatophyte Acres	5141	5141	5141	5141	5141	5141	5141	5141	5141	5141	5141	5141
Marsh	154.51	154.51	154.51	154.51	154.51	154.51	154.51	154.51	154.51	154.51	154.51	154.51
Barren	1521.68	1521.68	1521.68	1521.68	1521.68	1521.68	1521.68	1521.68	1521.68	1521.68	1521.68	1521.68
Sc-low	677.30	677.30	677.30	677.30	677.30	677.30	677.30	677.30	677.30	677.30	677.30	677.30
Sc-high	582.22	582.22	582.22	582.22	582.22	582.22	582.22	582.22	582.22	582.22	582.22	582.22
Sc/ms	445.67	445.67	445.67	445.67	445.67	445.67	445.67	445.67	445.67	445.67	445.67	445.67
Sc/aw	272.27	272.27	272.27	272.27	272.27	272.27	272.27	272.27	272.27	272.27	272.27	272.27
Sc/ms/aw	143.00	143.00	143.00	143.00	143.00	143.00	143.00	143.00	143.00	143.00	143.00	143.00
Ms-low	412.81	412.81	412.81	412.81	412.81	412.81	412.81	412.81	412.81	412.81	412.81	412.81
Ms-high	82.51	82.51	82.51	82.51	82.51	82.51	82.51	82.51	82.51	82.51	82.51	82.51
Ms/aw	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78
Aw	334.24	334.24	334.24	334.24	334.24	334.24	334.24	334.24	334.24	334.24	334.24	334.24
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	369.59	369.59	369.59	369.59	369.59	369.59	369.59	369.59	369.59	369.59	369.59	369.59

2000 LCRAS Sheet Y, Page 5 of 5

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ])

Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Parker Dam to Imperial Dam Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the State of California [CA])
(Based on average ETo values from 3 CIMIS and 1 AZMET station, and average precipitation from area CIMIS, AZMET, and NWS Weather Stations).
(ET's for each crop/phreatophyte are calculated in filename PCarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	32	36	58	84	108	112	115	98	81	54	37	31	845
On-District Open-Water Evap.													
State of CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of CA	566	662	1155	2192	3865	4576	4701	3989	2978	1576	737	508	27506
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	4	4	6	9	11	11	11	10	8	6	4	4	88
Citrus-mature	5	5	8	12	14	15	15	13	11	7	5	5	116
Citrus-declining	9	9	14	20	25	25	26	22	18	13	9	8	198
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	15	17	29	43	57	61	63	53	44	28	18	15	443
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the State of California [CA])

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	11	12	61	131	169	176	180	154	125	45	12	10	1085
Barren	237	276	344	319	398	414	425	362	297	212	197	217	3698
Sc-low	51	60	93	220	576	789	811	691	559	294	114	47	4306
Sc-high	43	51	160	394	705	781	800	670	429	197	66	37	4332
Sc/ms	56	65	127	315	587	699	716	610	432	217	89	48	3962
Sc/aw	20	23	44	108	198	236	241	206	156	78	32	17	1360
Sc/ms/aw	13	15	28	69	126	150	153	131	104	54	21	11	875
Ms-low	40	47	76	152	265	338	354	301	247	151	64	35	2069
Ms-high	13	15	29	65	117	143	146	125	102	58	25	12	849
Ms/aw	11	13	23	51	90	113	117	100	80	42	17	9	665
Aw	32	37	74	165	290	339	347	292	195	97	40	27	1936
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	42	50	96	202	344	399	409	348	252	131	59	37	2368

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the State of California [CA])

	January	February	March	April	May	June	July	August	September	October	November	December
State of CA												
Acreages (acres)												
Total Agricultural Acres	212	212	212	212	212	212	212	212	212	212	212	212
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	38.78	38.78	38.78	38.78	38.78	38.78	38.78	38.78	38.78	38.78	38.78	38.78
Citrus-mature	30.48	30.48	30.48	30.48	30.48	30.48	30.48	30.48	30.48	30.48	30.48	30.48
Citrus-declining	74.60	74.60	74.60	74.60	74.60	74.60	74.60	74.60	74.60	74.60	74.60	74.60
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	67.96	67.96	67.96	67.96	67.96	67.96	67.96	67.96	67.96	67.96	67.96	67.96
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Parker Dam to Imperial Dam Water Balance Table
(Sheet to calculate ET for the State of California [CA])

	January	February	March	April	May	June	July	August	September	October	November	December
State of CA												
Acreages (acres)												
Total Phreatophyte Acres	6901	6901	6901	6901	6901	6901	6901	6901	6901	6901	6901	6901
Marsh	181.53	181.53	181.53	181.53	181.53	181.53	181.53	181.53	181.53	181.53	181.53	181.53
Barren	1808.48	1808.48	1808.48	1808.48	1808.48	1808.48	1808.48	1808.48	1808.48	1808.48	1808.48	1808.48
Sc-low	1035.60	1035.60	1035.60	1035.60	1035.60	1035.60	1035.60	1035.60	1035.60	1035.60	1035.60	1035.60
Sc-high	864.89	864.89	864.89	864.89	864.89	864.89	864.89	864.89	864.89	864.89	864.89	864.89
Sc/ms	740.28	740.28	740.28	740.28	740.28	740.28	740.28	740.28	740.28	740.28	740.28	740.28
Sc/aw	262.21	262.21	262.21	262.21	262.21	262.21	262.21	262.21	262.21	262.21	262.21	262.21
Sc/ms/aw	166.83	166.83	166.83	166.83	166.83	166.83	166.83	166.83	166.83	166.83	166.83	166.83
Ms-low	535.03	535.03	535.03	535.03	535.03	535.03	535.03	535.03	535.03	535.03	535.03	535.03
Ms-high	174.66	174.66	174.66	174.66	174.66	174.66	174.66	174.66	174.66	174.66	174.66	174.66
Ms/aw	143.53	143.53	143.53	143.53	143.53	143.53	143.53	143.53	143.53	143.53	143.53	143.53
Aw	421.91	421.91	421.91	421.91	421.91	421.91	421.91	421.91	421.91	421.91	421.91	421.91
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	566.41	566.41	566.41	566.41	566.41	566.41	566.41	566.41	566.41	566.41	566.41	566.41

2000 LCRAS Sheet Z, Page 5 of 5 2000 TOTAL DIVERTER ET
Parker Dam to Imperial Dam Water Balance Table (Sheet to calculate ET for the State of California [CA])
Monthly ET values (inches) (From PCarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.91	3.27	3.98	6.35	7.84	9.72	8.67	7.15	5.97	4.01	3.25	2.03	64.15
Alfalfa-annual	1.03	1.95	2.92	2.69	5.78	6.19	3.69	5.17	5.11	4.62	2.30	2.54	43.99
Alfalfa-seed	1.56	3.25	3.59	6.02	9.77	5.80	10.56	0.00	0.00	0.00	0.00	1.06	41.61
Cotton	0.00	0.00	0.00	1.37	2.45	4.22	7.36	8.76	8.06	4.32	0.43	0.00	36.97
Small Grain	1.70	3.35	5.93	8.24	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.64	24.56
Field Grain	0.00	0.00	2.14	7.08	11.75	7.67	0.00	0.00	0.00	0.00	0.00	0.00	28.64
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	3.55	2.88	0.00	7.97
Lettuce-late	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	2.09	5.28
Melons-spring	0.00	0.00	1.37	5.46	9.77	9.69	3.45	0.00	0.00	0.00	0.00	0.00	29.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	4.10	4.63	3.11	1.19	14.14
Bermuda	0.00	0.00	0.00	3.69	8.04	8.68	8.90	7.47	5.93	0.37	0.00	0.00	43.08
Bermuda w/ rye	2.59	2.85	3.91	3.69	8.04	8.68	8.90	7.47	5.93	2.46	2.79	2.35	59.66
Citrus-young	1.19	1.27	1.97	2.78	3.41	3.46	3.55	3.02	2.53	1.73	1.25	1.10	27.26
Citrus-mature	1.98	2.16	3.31	4.63	5.68	5.77	5.91	5.04	4.21	2.93	2.08	1.84	45.54
Citrus-declining	1.39	1.50	2.30	3.24	3.97	4.04	4.14	3.53	2.95	2.03	1.46	1.29	31.84
Tomatoes	0.00	1.56	4.15	8.99	11.04	4.47	0.00	0.00	0.00	0.00	0.00	0.00	30.21
Sudan	0.00	0.00	0.00	1.10	6.05	11.33	11.65	9.90	3.78	0.00	0.00	0.00	43.81
Legume/Solanum Veg	3.03	3.43	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.43	2.53	12.74
Crucifers	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.90	2.78	2.58	10.83
Dates	2.61	3.05	5.05	7.61	10.15	10.78	11.04	9.41	7.70	5.01	3.24	2.65	78.30
Safflower	0.00	1.30	4.24	9.15	12.03	11.01	1.35	0.00	0.00	0.00	0.00	0.00	39.08
Orchards	1.13	1.27	2.72	5.37	8.25	8.70	8.92	7.60	6.22	4.07	2.62	1.70	58.57
Small Vegetables	2.87	3.29	5.23	6.52	0.00	0.00	0.00	0.00	0.00	0.65	1.17	2.01	21.74
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.76	3.28	2.47	11.71
Perennial Vegetables	0.91	1.01	1.87	6.06	9.35	9.77	10.01	8.14	5.77	2.80	1.17	0.83	57.69
Sugar Beets	2.01	3.10	5.60	8.11	6.06	0.00	0.00	0.00	0.68	1.23	0.86	1.19	28.84
Grapes	0.00	0.16	1.51	4.86	8.18	8.59	8.38	5.72	1.92	0.00	0.00	0.00	39.32
Marsh	0.70	0.82	4.03	8.67	11.14	11.64	11.93	10.17	8.26	2.96	0.78	0.65	71.75
Barren	1.57	1.83	2.28	2.12	2.64	2.75	2.82	2.40	1.97	1.41	1.31	1.44	24.54
Sc-low	0.59	0.69	1.08	2.55	6.68	9.14	9.40	8.01	6.48	3.41	1.32	0.55	49.90
Sc-high	0.59	0.71	2.22	5.47	9.78	10.83	11.10	9.29	5.95	2.73	0.91	0.52	60.10
Sc/ms	0.90	1.05	2.06	5.11	9.52	11.33	11.61	9.89	7.01	3.51	1.45	0.78	64.22
Sc/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.16	3.59	1.47	0.78	62.22
Sc/ms/aw	0.90	1.05	2.03	4.93	9.08	10.78	11.04	9.41	7.51	3.86	1.54	0.78	62.91
Ms-low	0.90	1.05	1.70	3.42	5.95	7.58	7.93	6.76	5.53	3.38	1.43	0.78	46.41
Ms-high	0.90	1.05	1.96	4.47	8.01	9.80	10.06	8.57	7.00	3.97	1.73	0.84	58.36
Ms/aw	0.90	1.05	1.93	4.27	7.54	9.45	9.78	8.34	6.66	3.48	1.44	0.78	55.62
Aw	0.90	1.05	2.11	4.70	8.24	9.64	9.88	8.30	5.55	2.77	1.14	0.78	55.06
Cw	0.90	1.05	2.16	4.94	8.79	10.32	10.58	8.88	5.89	2.90	1.17	0.78	58.36
Low Veg	0.90	1.05	2.03	4.27	7.28	8.45	8.66	7.38	5.33	2.78	1.26	0.78	50.17

Imperial Dam to Mexico

Water-Balance Table

Imperial Dam to Mexico Water Balance Table 2000 ANNUAL WATER BALANCE

(This sheet calculates the water balance on an annual basis.) (All values in acre-feet accept where noted)

Calculation of SEE for the Flow at the Downstream Boundary (Qds):

	Flow	SEE in%	See in Acre-Feet	Variance in Acre-Feet^2	Percent of Total Variance	Amount of Adjustment Added to Flow	Distributed Flow
Colo. R. at NIB (1)	1,898,700	1.40%	26,582	706,602,724	71.60%	43,170	1,941,870
11 Mile Wasteway	6,476	2.50%	162	26,244	0.00%	0	6,476
Cooper Wasteway	820	2.50%	21	441	0.00%	0	820
21 Mile Wasteway	1,367	2.50%	34	1,156	0.00%	0	1,367
Main Drain (inc. 242)	115,443	2.50%	2,886	8,328,996	0.84%	506	115,949
W. Main Canal Drain	8,974	2.50%	224	50,176	0.01%	6	8,980
E. Main Canal Drain	5,218	2.50%	130	16,900	0.00%	0	5,218
Underflow to Mexico (2)	82,443	20.00%	16,489	271,887,121	27.55%	16,611	99,054
Total Downstream flow (Qds)	2,119,441	1.48%	31,415	986,913,758	100.00%	60,293	2,179,734
					Check Total	60,293	<--From Report Table 6

Calculation of Difference between Qus and Qds (Qdif):

		SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2
Flow at Upstream Boundary (Qus)	6,527,141	1.50%	97,907	9,585,780,649
Flow at Downstream Boundary (Qds)	2,119,441	1.48%	31,415	986,902,225
Difference (Qdif)	4,407,700	2.33%	102,824	

Calculation of SEE for Exports (Qex):

	Flow in Acre-Feet	SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2	Percent of Total Variance	Amount of Residual Added to Flow	Distributed Export Flow
AAC Sta 1117*	3,450,600	1.17%	40,372	1,629,898,384	96.17%	13,193	3,463,793
AAC evap. (Imperial Dam to Station 1117)	2,428	5.00%	121	14,641	0.00%	0	2,428
Total AAC Export at Station 1117	3,453,028	1.17%	40,372	1,629,913,025	96.17%	13,193	3,466,221
Wellton-Mohawk (AVM)	402,651	2.00%	8,053	64,850,809	3.83%	525	403,176
GGMC evap. (Imperial Dam to WMIDD Div.)	844	5.00%	42	1,764	0.00%	0	844
Total GGMC Export to Wellton-Mohawk	403,495	2.00%	8,053	64,852,573	3.83%	525	404,020
DPOC 1, 2, & 3 and DW-1	1,808	2.00%	36	1,296	0.00%	0	1,808
Total Export Flow (Qex)	3,858,331	1.07%	41,168	1,694,766,894	100.00%	13,718	3,872,049

Water Balance:

	Undistributed Annual Value	SEE in %	SEE in Acre-Feet	Variance in Acre-Feet^2	Distributed Residual	Percent of Residual	Distributed Annual Value	SEE of Annual Values Percent	Distributed Annual Values Acre-Feet
Difference (Qdif)	4,407,700	2.33%	102,824	10,572,774,976	85,578	83.33%	4,322,122	0.97%	41,986
Inflows:									
Measured Tributary Inflow (Trm)	6,577	7.00%	460	211,600	2	0.00%	6,575	7.00%	460
Unmeasured Tributary Inflow (Trum)	3,000	30.00%	900	810,000	7	0.01%	2,993	30.07%	900
Outflows:									
Export Flow (Qex)	3,858,331	1.07%	41,168	1,694,804,224	13,718	13.36%	3,872,049	0.99%	38,320
Change in Reservoir Storage (Sr)	0	0.00%	0	0	0	0.00%	0	0.00%	0
Change in Aquifer Storage (Sa)	0	N/A	10,000	100,000,000	809	0.79%	809	1231.27%	9,961
Domestic,Municipal&Industrial Use (CUd)	30,701	2.00%	614	376,996	3	0.00%	30,704	2.00%	614
Crop Evapotranspiration (ETcrop)	350,719	5.00%	17,536	307,511,296	2,489	2.42%	353,208	4.90%	17,322
Phreatophyte Evapotranspiration (ETpht)	68,615	5.00%	3,431	11,771,761	95	0.09%	68,710	4.99%	3,429
Open-Water Evaporation (E)	6,209	5.00%	310	96,100	1	0.00%	6,210	4.99%	310
Residual	102,702						0		60,364
Residual as a percentage of Qus	1.57%		Total	12,688,356,953	102,702	100.00%			

* SEE for AAC Sta 1117 from Procedure for Estimating Measurement Accuracy for Surface Water flows by B.T. Wahlin, A.J. Clemmens, ans J.A. Replogle. Proposed for Publication in the Journal of Irrigation and Drainage Engineering.

Final Results by Agricultural Diverter

Diverter	Crop ET	Crop CU	Phreatophyte ET	Phreatophyte WU	Undistributed Domestic Use	Domestic CU	Undistributed Export	Distributed Export
Desert Lawn Memorial, AZ	393	396	0	0				
FYIR, AZ & Homesteads	1,363	1,373	3,846	3,851				
FYIR Mittry SWA & YPG, AZ	0	0	856	857				
FYIR, CA	3,936	3,964	12,537	12,554				
FYIR Bard Unit, CA	22,088	22,245	821	822				
FYIR Indian Unit, CA	16,024	16,138	497	498				
FYIR & Picacho SRA, CA	0	0	5	5				
FYIR & YPG, CA	0	0	838	839				
Hillander "C" ID, AZ	4,940	4,975	0	0				
Imperial NWR, AZ	112	113	5,661	5,669				
Imperial NWR, CA	0	0	144	144				
Imperial NWR & YPG, CA	0	0	48	48				
Mittry Lake SWA, AZ	182	183	10,060	10,074				
North Cocopah IR, AZ	531	535	719	720				
North Gila Valley ID, AZ	17,999	18,127	832	833				
Picacho SR Lands, CA	0	0	120	120				
Sturges GM Ranch, AZ	6,026	6,069	49	49				
State of AZ	8,677	8,739	9,983	9,997				
State of AZ-Limitrophe	2,720	2,739	4,141	4,147				
State of AZ-DG from YMIDD	22,113	22,270	0	0				
State of CA	6,477	6,523	2,440	2,443				
Unit "B" IDD, AZ	7,550	7,604	0	0				
University AZ Ag Station, AZ	267	269	0	0				
West Cocopah IR, AZ	5,297	5,335	5,985	5,993				
Yuma Irrg. Dist., AZ	29,805	30,017	306	306				
Yuma Mesa IDD, AZ	69,041	69,531	0	0				
YPG, AZ	0	0	368	369				
YPG, CA	30	30	8,341	8,353				
Yuma County WUA, AZ	125,147	126,035	18	18				
Check Totals	350,718	353,210	68,615	68,709	0	0	0	0

2000 LCRAS
Imperial Dam to Mexico Water Balance Table
Final Results by Domestic Diverter

Diverter	Crop ET	Crop CU	Phreatophyte ET	Phreatophyte WU	Undistributed Domestic Use	Domestic CU	Undistributed Export	Distributed Export
Yuma (City), AZ (1)					15,932	15,934		
Yuma Proving Ground AZ (2)					554	554		
Winterhaven, CA (3)					74	74		
Marine Corps Air Sta AZ					1,217	1,217		
Southern Pacific RR, AZ					29	29		
Yuma Mesa Fruit Grw AZ					7	7		
Yuma Union HS, AZ					127	127		
Yuma AO, USBR, AZ (4)					968	968		
APS Yucca Power Plant, AZ (5)					77	77		
Cocopah Bend RV Park, AZ (6)					204	204		
State Prison, AZ (7)					12	12		
----------					0	0		
Yuma (City), AZ (8)					67	67		
Yuma (County), AZ(1)					7,779	7,779		
Bard, CA**					214	215		
Cocopah Indian Res., AZ					144	144		
Somerton, AZ					1,017	1,017		
Gadsden, AZ					133	133		
San Luis, AZ					2,145	2,145		
----------					0	0		
Check Totals	0	0	0	0	30,701	30,703	0	0

2000 LCRAS
Imperial Dam to Mexico Water Balance Table
Final Results for Exports

AAC Sta 1117*							3,453,028	3,465,305
Wellton-Mohawk (AVM)							403,495	404,930
DPOC 1, 2, & 3 and DW-1							1,808	1,814
7, & 9 discharge into MODE								
Check Totals	0	0	0	0	0	0	3,858,331	3,872,049

2000 LCRAS Sheet B

Imperial Dam to Mexico Water Balance Table 2000 MONTHLY WATER BALANCE

(This sheet calculates the water balance on a monthly basis.)
(This sheet uses monthly values from the other sheets.)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
INFLOW													
Qus	385,382	441,471	602,687	697,208	694,814	637,291	661,536	558,942	519,135	522,608	417,443	388,624	6,527,141
Trm	964	1,080	810	380	238	199	226	212	258	323	807	1,080	6,577
Trum	250	250	250	250	250	250	250	250	250	250	250	250	3,000
Total	386,596	442,801	603,747	697,838	695,302	637,740	662,012	559,404	519,643	523,181	418,500	389,954	6,536,718
OUTFLOW													
Qex	194,754	224,822	344,176	424,651	445,478	410,326	430,650	368,192	328,227	287,041	220,205	179,808	3,858,331
Sr	0	0	0	0	0	0	0	0	0	0	0	0	0
Sa	0	0	0	0	0	0	0	0	0	0	0	0	0
Cud	2,384	2,191	2,294	2,394	2,736	2,922	2,919	2,945	2,805	2,512	2,294	2,305	30,701
ETcrop	19,833	20,068	29,737	44,180	43,945	37,288	40,031	35,518	24,987	18,658	19,844	16,630	350,719
ETpht	1,406	1,579	2,828	5,561	9,243	11,165	11,900	10,363	7,763	3,655	1,804	1,348	68,615
E	226	288	380	557	785	887	998	776	627	285	221	180	6,209
Qds	178,847	193,774	225,477	205,666	177,358	163,893	170,842	140,691	138,197	180,392	162,060	182,241	2,119,441
Total	397,451	442,722	604,893	683,009	679,544	626,481	657,341	558,484	502,606	492,544	406,428	382,514	6,434,016
(INFLOW -OUTFLOW)													
	(10,855)	79	(1,146)	14,829	15,758	11,259	4,671	920	17,037	30,637	12,072	7,440	102,702

	Inflow
Qus	Flow @ Upstream Boundary
Trm	Measured Tributary Inflow
Trum	Unmeasured Measured Tributary Inflow
	Outflow
Qex	Export Flow
Sr	Change in Reservoir Storage
Sa	Change in Aquifer Storage
Cud	Domestic,Municipal&Industrial Use
ETcrop	Crop Evapotranspiration
ETpht	Phreatophyte Evapotranspiration
E	Open-Water Evaporation
Qds	Flow @ Downstream Boundary

2000 LCRAS Sheet C

Imperial Dam to Mexico Water Balance Table 2000 Qus, and Trm and Trum INFLOW COMPONENTS

(Sheet to calculate the inflow components Qus, and Trm and Trum)

		January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)														
Qus, Flow at upstream boundary														
	Total	385382	441471	602687	697208	694814	637291	661536	558942	519135	522608	417443	388624	6,527,141
Imperial Dam*														
Station				from USGS Arizona District database and USBR AVM Records (see data files imp2mex.wk4 & 00st3avm.wk4)										
All American Canal, Station 60		322000	365000	487900	578900	552900	507300	529200	440400	412100	399700	348500	324900	5,268,800
Gila Gravity Main Canal, Station 30 (AVM)		40267	50426	67676	83044	102095	98787	95512	75868	75953	61936	44930	38133	834,627
Mittry Lake		895	805	861	774	799	774	984	984	952	922	833	861	10,444
Colorado River Sluiceway		22220	25240	46250	34490	39020	30430	35840	41690	30130	60050	23180	24730	413,270
----------		0	0	0	0	0	0	0	0	0	0	0	0	0

* - Flow exiting dam is the total of measurements made at Station 60 (All-American Canal), Station 30 (Gila Gravity Main Canal [GGMC]), Mittry Lake Diversion (Control Gate/Meter @ Headworks of GGMC), and Sluiceway (Colorado River Gauge below Imperial Dam).

Trm, Measured Tributary Inflow														
	Total	964	1080	810	380	238	199	226	212	258	323	807	1080	6,577
Station			from USGS Arizona District database (see data file imp2mex.wk4)											
Gila River @ Dome		964	1080	810	380	238	199	226	212	258	323	807	1080	6,577
Yuma Desalting Plant Discharge to Colo River		0	0	0	0	0	0	0	0	0	0	0	0	0
Trum, Unmeasured Tributary Inflow														
	Total	250	250	250	250	250	250	250	250	250	250	250	250	3,000
Unmeasured runoff				pg. 46, USGS Water Supply Paper 2407										
Yuma area		167	167	167	167	167	167	167	167	167	167	167	167	2,000
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
Unmeasured runoff in tributary streams				pg. 46, USGS Water Supply Paper 2407										
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
Ground-water discharge				pg. 46, USGS Water Supply Paper 2407										
Gila River		83	83	83	83	83	83	83	83	83	83	83	83	1,000
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet D
Imperial Dam to Mexico Water Balance Table 2000 Qex, Sr, and Sa OUTFLOW COMPONENTS

(Sheet to calculate outflow components Qex, Sr, and Sa)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
Qex, Flow Exported													
Total	194754	224822	344176	424651	445478	410326	430650	368192	328227	287041	220205	179808	3,858,331
Station	from USGS Arizona District database and USBR AVM Records (see data files imp2mex.wk4, 00wmavm.wk4, dwwell00.wk4, & lcrass00.wk4)												
AAC Sta 1117*	176700	198200	311600	382500	394000	361800	382200	334300	292300	259700	197800	159500	3,450,600
AAC Evap (IID&CVWD) **	88	113	149	218	307	347	390	303	245	111	86	71	2,428
Total to Export	176788	198313	311749	382718	394307	362147	382590	334603	292545	259811	197886	159571	3,453,028
Wellton-Mohawk (AVM)	17748	26396	32174	41704	50874	47879	47732	33287	35417	27191	22183	20066	402,651
GGMC Evap.(W_MIDD) **	31	39	52	76	107	121	136	105	85	39	30	25	844
Total to Export	17779	26435	32226	41780	50981	48000	47868	33392	35502	27230	22213	20091	403,495
DPOC 1, 2, & 3 and DW-1 7, & 9 discharge into MODE	187	74	202	154	190	180	192	196	180	0	106	147	1,808

* - All-American Canal downstream of the Pilot Knob Wasteway
** - The proportionate share of open water evaporation, from the AAC and GGMC, resulting from diversions for IID, CVWD and WMIDD (see sheet H, page 2 of 4).

Sr, Change in Reservoir Storage (End of Month (EOM) contents - Beginning of Month (BOM) contents)													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Reservoir													

EOM	0	0	0	0	0	0	0	0	0	0	0	0	
BOM	0	0	0	0	0	0	0	0	0	0	0	0	
Change	0	0	0	0	0	0	0	0	0	0	0	0	0

EOM	0	0	0	0	0	0	0	0	0	0	0	0	
BOM	0	0	0	0	0	0	0	0	0	0	0	0	
Change	0	0	0	0	0	0	0	0	0	0	0	0	0
Sa, Change in Aquifer Storage													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Station	page 50, USGS Water Supply Paper 2407												
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0
----------	0	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

2000 CUd OUTFLOW COMPONENT

(Sheet to calculate the outflow component CUd)

(All values in acre-feet)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
CUd, Domestic, Municipal and Industrial Use													
Total	2384	2191	2294	2394	2736	2922	2919	2945	2805	2512	2294	2305	30,701
Consumptive Use (estimated as 60% of diversion unless otherwise noted. Per Domestic Water Use Study of Boulder City NV 1988-1992, see file bcwater.wk1)													
Yuma (City), AZ (1)	1225.20	1023.60	1110.00	1163.40	1458.60	1632.00	1631.40	1668.00	1548.00	1260.00	1114.20	1098.00	15932.4
Yuma Proving Ground AZ (2)	44.66	51.78	45.50	44.66	44.66	53.65	44.66	44.66	44.66	45.90	44.66	44.66	554.1
Winterhaven, CA (3)	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	74.4
Marine Corps Air Sta AZ	47.77	51.90	68.04	106.02	143.40	151.20	153.84	145.02	128.82	104.98	65.82	50.16	1217.0
Southern Pacific RR, AZ	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	28.8
Yuma Mesa Fruit Grw AZ	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	7.2
Yuma Union HS, AZ	3.60	0.00	5.40	13.20	20.40	15.00	18.00	18.00	16.20	6.60	5.40	4.80	126.6
Yuma AO, USBR, AZ (4)	80.64	80.64	80.64	80.64	80.64	80.64	80.64	80.64	80.64	80.64	80.64	80.64	967.7
APS Yucca Power Plant, AZ (5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.09	0.99	45.35	77.4
Cocopah Bend RV Park, AZ (6)	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	204.0
State Prison, AZ (7)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.0
----------	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Yuma (City), AZ (8)	2.44	3.11	4.10	6.00	8.46	9.56	10.77	8.37	6.76	3.07	2.38	1.95	67.0

(1) - Includes diversions to City's Water Treatment Plant, Cogeneration Plant, Smucker Park, & Golf Course.
m the Gila Gravity Main Canal
(3) - Per USGS AZ District records; reported annual total only
(4) - Reported pumpage from Test Train & DW-8 wells; no return flow credits; all consumptive use with most used as cooling water discharged into Bypass Drain to Slough.
(5) - Consumptive use is reported diversion with no return flow credits. Plant cooling water discharges into Bypass drain, not available to downstream Users.
(6) - Per USGS AZ District records; reported annual total only
(7) - Based on a reported pumpage of 20 AF/yr. with a consumptive use estimate of 60%
(8) - City of Yuma proportionate share of evaporation from the AAC and YMC (See sheet H, page 2 of 4).

2000 LCRAS Sheet E, Page 2 of 2
Imperial Dam to Mexico Water Balance Table

Use estimated with														
Per-capita use rates		0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	
0.14	ac-ft per year*													
City Name	(population per 2000 U.S. Census data unless otherwise noted, see AZ2000.pdf & CA2000.pdf data files)													
Yuma (County), AZ(1)	population	55561	55561	55561	55561	55561	55561	55561	55561	55561	55561	55561	55561	
	CU	648.2	648.2	648.2	648.2	648.2	648.2	648.2	648.2	648.2	648.2	648.2	648.2	7778.5
Bard, CA**	population	1532	1532	1532	1532	1532	1532	1532	1532	1532	1532	1532	1532	
	CU	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	214.5
Cocopah Indian Res., AZ	population	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	
	CU	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	143.5
Somerton, AZ	population	7266	7266	7266	7266	7266	7266	7266	7266	7266	7266	7266	7266	
	CU	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	1017.2
Gadsden, AZ	population	953	953	953	953	953	953	953	953	953	953	953	953	
	CU	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	133.4
San Luis, AZ	population	15322	15322	15322	15322	15322	15322	15322	15322	15322	15322	15322	15322	
	CU	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	2145.1
----------		0	0	0	0	0	0	0	0	0	0	0	0	
	CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* - See text of 1997 LCRAS Report, "Domestic Use" section
(1) - Net population after deducting Cities of Yuma, Somerton, Gadsden, San Luis, Tacna, Wellton, and the Cocopah Indian Res., AZ
** - Per 1992 U.S. Census data estimate, 2000 Census data unavailable.

2000 LCRAS Sheet F

Imperial Dam to Mexico Water Balance Table

2000 ETcrop OUTFLOW COMPONENT

(Sheet to calculate outflow component ETcrop)

(All values in acre-feet)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
ETcrop, Crop Evapotranspiration Total	19833	20068	29737	44180	43945	37288	40031	35518	24987	18658	19844	16630	350,719
Diverter													
Desert Lawn Memorial, AZ	19	20	26	24	50	55	59	50	41	13	19	18	393
FYIR, AZ & Homesteads	110	107	170	241	175	120	97	80	45	66	89	64	1,363
FYIR Mittry SWA & YPG, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
FYIR, CA	231	200	325	533	578	482	475	414	174	175	201	148	3,936
FYIR Bard Unit, CA	1190	1185	1930	3052	3109	2344	2388	2109	1520	1115	1212	934	22,088
FYIR Indian Unit, CA	1058	1061	1667	2467	2156	1488	1503	1291	627	878	1150	678	16,024
FYIR & Picacho SRA, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
FYIR & YPG, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Hillander "C" ID, AZ	318	337	371	456	546	561	597	522	420	243	261	307	4,940
Imperial NWR, AZ	4	6	7	10	13	15	16	14	11	8	5	5	112
Imperial NWR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Imperial NWR & YPG, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Mittry Lake SWA, AZ	7	9	11	15	20	22	24	22	18	13	9	11	182
North Cocopah IR, AZ	60	82	123	148	48	0	0	0	10	16	19	24	531
North Gila Valley ID, AZ	907	648	975	1773	2151	2144	2624	2425	1581	975	1091	705	17,999
Picacho SR Lands, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Sturges GM Ranch, AZ	287	90	203	556	864	843	998	930	543	201	237	276	6,026
State of AZ	450	458	662	979	1081	1053	1141	1004	597	439	430	383	8,677
State of AZ-Limitrophe	121	121	185	301	285	311	413	389	266	111	111	108	2,720
State of AZ-DG from YMIDD	862	1112	1446	1954	2617	2891	3110	2738	2054	1371	916	1042	22,113
State of CA	320	317	450	691	778	845	917	803	403	323	329	303	6,477
Unit "B" IDD, AZ	310	349	484	722	975	1019	1067	932	621	415	315	343	7,550
University AZ Ag Station, AZ	11	11	15	23	34	38	41	35	21	13	13	12	267
West Cocopah IR, AZ	272	332	483	705	700	626	679	595	311	208	172	213	5,297
Yuma Irrg. Dist., AZ	1900	1778	2538	3957	3853	2942	2975	2673	2090	1657	2020	1421	29,805
Yuma Mesa IDD, AZ	3111	3595	4667	6346	8186	8826	9442	8280	6132	3977	3062	3417	69,041
YPG, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
YPG, CA	2	1	2	2	3	3	3	3	4	3	3	3	30
Yuma County WUA, AZ	8283	8251	12997	19227	15725	10661	11463	10208	7502	6439	8180	6211	125,147
0	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet G

Imperial Dam to Mexico Water Balance Table 2000 ETpht OUTFLOW COMPONENT

(Sheet to calculate outflow component ETpht)

(All values in acre-feet)

ETpht, Phreatophyte Evapotranspiration

Diverter	January	February	March	April	May	June	July	August	September	October	November	December	Total
	1406	1579	2828	5561	9243	11165	11900	10363	7763	3655	1804	1348	68,615
Desert Lawn Memorial, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
FYIR, AZ & Homesteads	133	149	213	316	480	564	601	524	396	206	134	129	3,846
FYIR Mittry SWA & YPG, AZ	12	13	34	77	124	145	154	133	94	41	17	11	856
FYIR, CA	290	325	524	970	1645	2016	2149	1874	1416	688	361	279	12,537
FYIR Bard Unit, CA	12	14	28	64	114	140	149	130	95	44	19	12	821
FYIR Indian Unit, CA	15	17	24	36	61	76	81	71	56	29	17	15	497
FYIR & Picacho SRA, CA	0	0	0	0	1	1	1	1	1	0	0	0	5
FYIR & YPG, CA	16	18	35	69	115	137	146	127	94	43	21	16	838
Hillander "C" ID, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Imperial NWR, AZ	90	101	238	503	784	930	992	864	663	287	123	86	5,661
Imperial NWR, CA	7	7	10	12	16	19	20	18	15	8	6	6	144
Imperial NWR & YPG, CA	1	1	2	3	6	8	9	8	6	3	1	1	48
Mittry Lake SWA, AZ	149	169	374	845	1411	1696	1808	1571	1157	519	220	141	10,060
North Cocopah IR, AZ	13	15	24	50	95	121	129	113	86	41	20	13	719
North Gila Valley ID, AZ	17	19	31	64	110	137	146	127	96	46	23	16	832
Picacho SR Lands, CA	3	3	5	9	15	19	20	18	13	7	4	3	120
Sturges GM Ranch, AZ	1	1	1	3	7	9	9	8	6	3	1	1	49
State of AZ	195	218	394	803	1345	1633	1740	1519	1151	538	261	186	9,983
State of AZ-Limitrophe	113	126	194	329	534	644	687	599	453	226	128	109	4,141
State of AZ-DG from YMIDD	0	0	0	0	0	0	0	0	0	0	0	0	0
State of CA	64	72	112	194	312	379	405	353	274	138	76	62	2,440
Unit "B" IDD, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
University AZ Ag Station, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
West Cocopah IR, AZ	124	139	229	452	788	978	1043	910	697	339	169	118	5,985
Yuma Irrg. Dist., AZ	9	10	15	26	40	47	50	44	32	16	9	8	306
Yuma Mesa IDD, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
YPG, AZ	6	7	13	29	50	62	66	57	43	20	9	6	368
YPG, CA	136	153	325	705	1187	1402	1493	1293	918	414	185	129	8,341
Yuma County WUA, AZ	1	1	1	2	2	2	2	2	2	1	1	1	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet H, Sheet 1 of 4

Imperial Dam to Mexico Water Balance Table

2000 E and Qds OUTFLOW COMPONENTS, and SEE of Qds

(Sheet to calculate outflow components E and Qds)

(All values in acre-feet)

		January	February	March	April	May	June	July	August	September	October	November	December	Total
Qds, Flow at Downstream Boundary *														
Total		178847	193774	225477	205666	177358	163893	170842	140691	138197	180392	162060	182241	2,119,441
Station				(from International Boundary & Water Commission reports)										
Colo. R. at NIB (1)		160600	177300	208500	187400	158800	146200	152800	123900	120600	158800	140900	162900	1,898,700
11 Mile Wasteway		492	443	304	161	229	405	520	328	541	1047	1169	837	6,476
Cooper Wasteway		79	46	23	64	43	15	18	48	85	131	187	81	820
21 Mile Wasteway		0	11	50	1	49	18	0	8	96	396	363	375	1,367
Main Drain (inc. 242)		9288	7895	8390	10123	10014	8944	9190	8028	8880	12234	11970	10487	115,443
W. Main Canal Drain		996	705	708	617	857	865	765	1173	897	643	464	284	8,974
E. Main Canal Drain		522	504	632	430	496	576	679	336	228	271	137	407	5,218
Underflow to Mexico (2)		6870	6870	6870	6870	6870	6870	6870	6870	6870	6870	6870	6870	82,443

* - Qds is the sum of all the individual flow stations listed

(1) - From USGS Arizona District database

(2) - Based on estimates from a Particle Tracking Study conducted by W. Greer of Reclamation's Yuma Area Office, see Attachment 5 of this report

E, Open-Water Evaporation (Surface Evaporation = acres X ((evaporation - precipitation)/12)))

Total		226	288	380	557	785	887	998	776	627	285	221	180	6,209
Lake**														
Colo R 1	acres	254	254	254	254	254	254	254	254	254	254	254	254	
	Ac-ft	49	62	82	120	168	190	214	167	135	61	47	39	1,333
Colo R 2	acres	268	268	268	268	268	268	268	268	268	268	268	268	
	Ac-ft	51	65	86	126	178	201	226	176	142	64	50	41	1,407
Mittry Lake	acres	510	510	510	510	510	510	510	510	510	510	510	510	
	Ac-ft	97	124	164	240	338	382	430	334	270	123	95	78	2,677
PKPP Delivery to Mexico	acres	151	151	151	151	151	151	151	151	151	151	151	151	
	Ac-ft	29	37	49	71	100	113	127	99	80	36	28	23	792

** - Colo R1 is Colorado River reach from Imperial Dam to confluence with Gila River; Colo R2 is Colorado River reach from the Gila River confluence to the Southerly International Boundary

PKPP Delivery to Mexico is the proportionate share of evaporation from water routed through the AAC and Pilot Knob Power Plant.

Evaporation coefficient, monthly (From Jensen 1999)													
	0.73	0.85	0.78	0.75	0.87	0.92	0.97	0.92	0.84	0.81	0.68	0.60	
Reference ET, inches			(THESE VALUES FROM ANOTHER WORKSHEET)										
Yuma Area (averaged)	3.14	3.51	5.28	7.53	9.15	9.81	10.44	9.14	7.57	4.59	3.29	3.05	76.50
Evaporation, inches (Evaporation = ETo * Evaporation coefficient)													
Yuma Area	2.29	2.98	4.12	5.65	7.96	9.03	10.13	8.41	6.36	3.72	2.24	1.83	64.71
Precipitation, inches			(THESE VALUES FROM ANOTHER WORKSHEET)										
Yuma Area (averaged)	0.00	0.06	0.26	0.00	0.00	0.03	0.00	0.54	0.00	0.83	0.00	0.00	1.72

2000 E and Qds OUTFLOW COMPONENTS, and SEE of Qds

Imperial Dam to Mexico Water Balance Table

(All values in acre-feet)		January	February	March	April	May	June	July	August	September	October	November	December	Total
Open-Water Evaporation Within District and Shared Canal Evaporation (3)														
[added to Diverters Ag ET; Surface Evaporation = acres X ((evaporation - precipitation/12))]														
FYIR Bard Unit, CA	acres	28	28	28	28	28	28	28	28	28	28	28	28	
(see Sheet M)	Ac-ft	5	7	9	13	19	21	24	18	15	7	5	4	148
FYIR Indian Unit, CA	acres	18	18	18	18	18	18	18	18	18	18	18	18	
(see Sheet N)	Ac-ft	3	4	6	8	12	13	15	12	9	4	3	3	94
City of Yuma, AZ	acres	13	13	13	13	13	13	13	13	13	13	13	13	
(see Sheet E)	Ac-ft	2	3	4	6	8	10	11	8	7	3	2	2	67
Yuma County WUA, AZ	acres	304	304	304	304	304	304	304	304	304	304	304	304	
(see Sheet AK)	Ac-ft	58	74	98	143	202	228	257	200	161	73	57	46	1597
IID & CVWD, CA	acres	463	463	463	463	463	463	463	463	463	463	463	463	
(see Sheet D)	Ac-ft	88	113	149	218	307	347	390	303	245	111	86	71	2428
Pilot Knob PP & WW	acres	151	151	151	151	151	151	151	151	151	151	151	151	
(see this Sheet above)	Ac-ft	29	37	49	71	100	113	127	99	80	36	28	23	792
Yuma Proving Ground, AZ	acres	0	0	0	0	0	0	0	0	0	0	0	0	
(see Sheet AI)	Ac-ft	0	0	0	0	0	0	0	0	0	0	0	0	0
North Gila IDD, AZ	acres	4	4	4	4	4	4	4	4	4	4	4	4	
(see Sheet W)	Ac-ft	1	1	1	2	3	3	3	3	2	1	1	1	22
Sturges GM Ranch, AZ	acres	2	2	2	2	2	2	2	2	2	2	2	2	
(see Sheet Y)	Ac-ft	0	1	1	1	1	2	2	1	1	1	0	0	12
Wellton-Mohawk IDD, AZ	acres	161	161	161	161	161	161	161	161	161	161	161	161	
(see Sheet D)	Ac-ft	31	39	52	76	107	121	136	105	85	39	30	25	844
Yuma Irrg. Dist., AZ	acres	47	47	47	47	47	47	47	47	47	47	47	47	
(see Sheet AG)	Ac-ft	9	12	15	22	31	36	40	31	25	11	9	7	249
Yuma Mesa IDD, AZ	acres	119	119	119	119	119	119	119	119	119	119	119	119	
(see Sheet AH)	Ac-ft	23	29	38	56	79	89	100	78	63	29	22	18	622
Unit "B" IDD, AZ	acres	11	11	11	11	11	11	11	11	11	11	11	11	
(see Sheet AD)	Ac-ft	2	3	4	5	8	9	10	8	6	3	2	2	60
											Total Yuma Area Canal Evap.		=	6935

(3) - Open water area of larger canals, distribution laterals, and storage ponds which are distinguishable on 10 meter IRS imagery. Details on sheet H, pages 3 and 4 of 4.

Imperial Dam to Mexico Water Balance Table
All Values in Acre Feet.

Shared (multi-user) canal evaporation calculation - All American Canal
Total Open Water Surface (Acres) 1/ 656
* Note: only blue, dotted cell values change yearly.

YUMA PROJECT RESERVATION DIVISION			1 Div. Mileage	2 Diversion (AC -FT)	3 CU Miles	4 Open Water Area (Ac)	5 Non-shared Canal Ac.	6 Total Open Water Area
FYIR Bard Unit, CA			6.57	52,426.5	344442	2.2	25.9 (.61*42.5)	28.1
FYIR Indian Unit, CA			9.63	19,776.5	190448	1.2	16.6 (.39*42.5)	17.8
City of Yuma, AZ			14.7	32,363.0	475736	3.1	9.7 (.207* 46.7)	12.8
Yuma County WUA, AZ			14.7	375,311.0	5517072	36.0	268.3 (231.2+.793*46.7)	304.3
IID & CVWD, CA	2/	Export	20.52	3450600	70806312	462.5		462.5
Pilot Knob PP & WW	3/	System loss	20.52	1125470	23094644	150.9		150.9
			Sums	5055947	100428654	656.0		

Footnotes:
1/ Open water acreage of the AAC digitized from 10 meter IRS imagery.
2/ GS measured flow at station 1117+00 of AAC.
3/ GS measured flow through the Pilot Knob Power Plant and Waste Way at station 1093+92 of AAC
Water flows through the PKPP & WW into the River above Morelos dam, for satisfaction of Mexican deliveries.
For purposes of accounting, evaporation resulting from water diverted through the PKPP&WW will be considered as system loss, just as such evaporation would be if the water was left in the mainstream.
* Another alternative would be to charge IID, since they are gaining use, however the evaporation is same.

Columns
1 - Distance in miles from Imperial dam to the turnout or the weighted average of turnouts of the User.
Weighted average calculated by multiplying the diversion measured at each turnout by the distance of the turnout from Imperial dam divided by total measured diversions of the User.
2 - Total diversion of the User.
Diversion reported by the USGS or USBR.

3 - Consumptive Use - Miles is calculated by multiplying the Users CU times canal miles between Imperial dam and their average point of diversion.
4 - The portion of open water area, yielding evaporation, resulting from a users quantity of water in the Canal, that should be charged against their entitlement.
Calculated as the CU mileage for the user divided by the total CU miles for all users times the total open water acreage of the canal.
5 - Portions of canals that lie fully within a district boundary and supply water to the district, includes some canal reaches that supply water to two districts. In this case the acreage was pro-rated based only on percentatge of flow to each district.
6 - The sum of shared and non- shared canal surface area, represents the sum of canal open water area for each district.

Canal area as calculated by digitized GIS map.
Total of Shared AAC = 656.2 acres.
Yuma Main Canal between AAC and City of Yuma = 46.7
E & W main canals within YCWUA boundary = 231.2
Reservation Main Canal = 42.5

Imperial Dam to Mexico Water Balance Table
All Values in Acre Feet.

Shared (multi-user) canal evaporation calculation - Gila Gravity Main Canal

Total Open Water Surface (Acres) 1/ 225
* Note: only blue, dotted cell values change yearly.

			1 Div. Mileage	2 CU or Div. (AC -FT)	3 CU Miles	4 Open Water Area (Ac)	5 Non-shared Canal Ac.	6 Total Open Water Area
Yuma Proving Ground, AZ			2.6	29.0	75.4	0.0		0.0
North Gila IDD, AZ			8.45	18,066.0	152657.7	4.1		4.1
Sturges GM Ranch, AZ			13.57	6,061.0	82247.8	2.2		2.2
Wellton-Mohawk IDD, AZ	2/	Export	15.26	390,750.0	5962845.0	160.8		160.8
Yuma Irrig. District, AZ			19.75	29,620.0	584995.0	15.8	31.66	47.4
Yuma Mesa IDD, AZ			21.02	66,891.0	1406048.8	37.9	80.64 (23.6+64.38*.886)	118.6
Unit "B" IDD, AZ			21.02	7,297.0	153382.9	4.1	7.36 (.114*64.38)	11.5
		Sums		518,714.0	8342252.6	225.0		

Footnotes:
1/ Open water acreage of the GGMC digitized from 10 meter IRS imagery.
2/ GS measured flow near headworks of Wellton-Mohawk canal.

Columns
1 - Distance in miles from Imperial dam to the turnout or the weighted average of turnouts of the User.
Weighted average calculated by multiplying the diversion measured at each turnout
by the distance of the turnout from Imperial dam divided by total measured diversions of the User.
2 - Total diversion or consumptive use of the User.
Consumptive use as calculated by LCRAS is used for agricultural users within the Colorado River valley,
Diversion, measured by the USGS is used for domestic users and exports.
3 - Consumptive Use - Miles is calculated by multiplying the Users CU times canal miles between Imperial dam and
their average point of diversion.
4 - The portion of open water area, yielding evaporation, resulting from a users quantity of water in the Canal,
that should be charged against their entitlement.
Calculated as the CU mileage for the user divided by the total CU miles for all users times the total open water acreage of the canal.
5 - Portions of canals that lie fully within a district boundary and supply water to the district, includes some canal reaches that supply water to two
districts. In this case the acreage was pro-rated based only on percentatge of flow to each district.
6 - The sum of shared and non- shared canal surface area, represents the sum of canal open water area for each district.

Canal area as calculated by digitized GIS map.
Total of Shared GGMC = 224.88 acres.
Canal within YID = 31.66
Canal within YMID = 23.56
Portion of Yuma Mesa Canal that delivers water to YMID and Unit B = 64.38

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Desert Lawn Memorial Park, AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	19	20	26	24	50	55	59	50	41	13	19	18	393
On-District Open-Water Evap.													
Desert Lawn Memorial, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Desert Lawn Memorial, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	19	20	26	24	50	55	59	50	41	13	19	18	393
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet I, Page 2 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for Desert Lawn Memorial Park, AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table
(Sheet to calculate ET for Desert Lawn Memorial Park, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Desert Lawn Memorial, AZ												
Acreages (acres)												
Total Agricultural Acres *	79	79	79	79	79	79	79	79	79	79	79	79
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	79	79	79	79	79	79	79	79	79	79	79	79
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

* - Static, year to year acreage for cemetary park, unless size of park changes. Bermuda overseeded with rye grass in winter.

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table
(Sheet to calculate ET for Desert Lawn Memorial Park, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Desert Lawn Memorial, AZ												
Acreages (acres)												
Total Phreatophyte Acres	0	0	0	0	0	0	0	0	0	0	0	0
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet I, Page 5 of 5 2000 TOTAL DIVERTER ET
Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for Desert Lawn Memorial Park, AZ)
Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], AZ & Homesteads)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	110	107	170	241	175	120	97	80	45	66	89	64	1,363
On-District Open-Water Evap.													
FYIR, AZ & Homesteads	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
FYIR, AZ & Homesteads	133	149	213	316	480	564	601	524	396	206	134	129	3846
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	76	103	154	186	60	0	0	0	0	0	0	30	608
Field Grain	0	1	5	14	18	5	0	0	0	0	0	0	43
Lettuce-early	0	0	0	0	0	0	0	0	38	61	70	0	169
Lettuce-late	31	0	0	0	0	0	0	0	0	0	9	24	63
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	18	69	88	93	80	0	0	0	0	349
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	4	0	0	0	0	0	0	0	7	5	10	10	35
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	3	10	23	29	27	3	0	0	0	0	0	95
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], AZ & Homesteads)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	1	2	5	6	7	7	6	5	2	0	0	43
Barren	94	105	125	115	135	145	155	135	112	73	75	92	1362
Sc-low	3	3	4	10	25	35	38	33	27	13	6	3	199
Sc-high	6	7	22	53	90	102	109	93	60	25	9	6	583
Sc/ms	8	9	17	42	74	91	97	85	61	28	13	8	532
Sc/aw	1	1	2	6	10	12	13	11	8	4	2	1	71
Sc/ms/aw	0	0	1	2	3	4	4	4	3	1	1	0	24
Ms-low	5	6	9	18	30	39	42	37	31	17	8	5	246
Ms-high	2	2	4	9	16	20	22	19	16	8	4	2	125
Ms/aw	1	1	2	5	8	10	11	10	8	4	2	1	62
Aw	3	3	6	13	21	26	27	24	16	7	3	3	152
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	9	10	18	38	61	73	78	68	50	24	12	8	449

2000 LCRAS Sheet J, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], AZ & Homesteads)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR, AZ & Homesteads Acreages (acres)												
Total Agricultural Acres	898	898	898	898	898	898	898	898	898	898	898	898
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	307.89	307.89	307.89	307.89	307.89	307.89	307.89	307.89	307.89	307.89	307.89	307.89
Field Grain	19.52	19.52	19.52	19.52	19.52	19.52	19.52	19.52	19.52	19.52	19.52	19.52
Lettuce-early	275.27	275.27	275.27	275.27	275.27	275.27	275.27	275.27	275.27	275.27	275.27	275.27
Lettuce-late	129.90	129.90	129.90	129.90	129.90	129.90	129.90	129.90	129.90	129.90	129.90	129.90
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	96.36	96.36	96.36	96.36	96.36	96.36	96.36	96.36	96.36	96.36	96.36	96.36
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	39.04	39.04	39.04	39.04	39.04	39.04	39.04	39.04	39.04	39.04	39.04	39.04
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	30.29	30.29	30.29	30.29	30.29	30.29	30.29	30.29	30.29	30.29	30.29	30.29
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], AZ & Homesteads)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR, AZ & Homesteads Acreages (acres)												
Total Phreatophyte Acres	1184	1184	1184	1184	1184	1184	1184	1184	1184	1184	1184	1184
Marsh	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12
Barren	652.85	652.85	652.85	652.85	652.85	652.85	652.85	652.85	652.85	652.85	652.85	652.85
Sc-low	47.72	47.72	47.72	47.72	47.72	47.72	47.72	47.72	47.72	47.72	47.72	47.72
Sc-high	116.58	116.58	116.58	116.58	116.58	116.58	116.58	116.58	116.58	116.58	116.58	116.58
Sc/ms	99.21	99.21	99.21	99.21	99.21	99.21	99.21	99.21	99.21	99.21	99.21	99.21
Sc/aw	13.59	13.59	13.59	13.59	13.59	13.59	13.59	13.59	13.59	13.59	13.59	13.59
Sc/ms/aw	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48
Ms-low	63.23	63.23	63.23	63.23	63.23	63.23	63.23	63.23	63.23	63.23	63.23	63.23
Ms-high	25.54	25.54	25.54	25.54	25.54	25.54	25.54	25.54	25.54	25.54	25.54	25.54
Ms/aw	13.26	13.26	13.26	13.26	13.26	13.26	13.26	13.26	13.26	13.26	13.26	13.26
Aw	33.04	33.04	33.04	33.04	33.04	33.04	33.04	33.04	33.04	33.04	33.04	33.04
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	107.19	107.19	107.19	107.19	107.19	107.19	107.19	107.19	107.19	107.19	107.19	107.19

2000 LCRAS Sheet J, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], AZ & Homesteads)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] Mittry State Wildlife Area [SWA] & YPG, AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
FYIR Mittry SWA & YPG, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
FYIR Mittry SWA & YPG, AZ	12	13	34	77	124	145	154	133	94	41	17	11	856
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] Mittry State Wildlife Area [SWA] & YPG, AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	1	1	6	12	15	16	17	15	12	4	1	1	104
Barren	1	1	1	1	1	1	1	1	1	1	1	1	11
Sc-low	0	0	0	1	2	3	4	3	3	1	1	0	19
Sc-high	5	5	16	39	65	74	79	68	44	18	7	4	425
Sc/ms	2	2	4	9	16	20	21	18	13	6	3	2	115
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	1	1	2	3	5	7	7	6	5	3	1	1	43
Ms-high	1	1	2	3	6	7	8	7	6	3	1	1	45
Ms/aw	0	0	0	1	1	2	2	2	1	1	0	0	11
Aw	1	1	2	5	8	9	10	9	6	3	1	1	56
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	1	1	2	4	5	5	4	3	1	1	1	28

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] Mittry State Wildlife Area [SWA] & YPG, AZ)

FYIR Mittry SWA & YPG, AZ
Acreages (acres)

	January	February	March	April	May	June	July	August	September	October	November	December
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] Mittry State Wildlife Area [SWA] & YPG, AZ)

FYIR Mittry SWA & YPG, AZ
Acreages (acres)

	January	February	March	April	May	June	July	August	September	October	November	December
Total Phreatophyte Acres	175	175	175	175	175	175	175	175	175	175	175	175
Marsh	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30
Barren	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05
Sc-low	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64
Sc-high	84.96	84.96	84.96	84.96	84.96	84.96	84.96	84.96	84.96	84.96	84.96	84.96
Sc/ms	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	11.05	11.05	11.05	11.05	11.05	11.05	11.05	11.05	11.05	11.05	11.05	11.05
Ms-high	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21
Ms/aw	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
Aw	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64

2000 LCRAS Sheet K, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] Mittry State Wildlife Area [SWA] & YPG, AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], CA)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	231	200	325	533	578	482	475	414	174	175	201	148	3,936
On-District Open-Water Evap.													
FYIR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
FYIR, CA	290	325	524	970	1645	2016	2149	1874	1416	688	361	279	12537
Monthly ET values													
Alfalfa-perennial	19	27	34	45	61	68	73	65	48	36	21	26	522
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	10	22	41	62	61	40	7	0	0	244
Small Grain	117	160	239	288	92	0	0	0	0	0	0	46	942
Field Grain	0	7	34	88	111	29	0	0	0	0	0	0	269
Lettuce-early	0	0	0	0	0	0	0	0	82	131	152	0	366
Lettuce-late	93	0	0	0	0	0	0	0	0	0	26	74	194
Melons-spring	0	2	6	11	12	0	0	0	0	0	0	0	31
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	65	247	313	333	287	0	0	0	0	1246
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	1	0	0	0	0	0	0	0	1	1	1	1	5
Dates	1	1	1	1	2	2	2	2	2	1	1	1	15
Safflower	0	3	11	24	31	29	4	0	0	0	0	0	102
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	2	3	12	25	31	33	35	31	25	8	2	2	210
Barren	120	134	159	148	173	186	198	173	143	93	96	118	1744
Sc-low	32	36	53	124	308	434	462	405	332	159	68	32	2444
Sc-high	14	16	47	114	194	220	235	201	131	55	20	13	1260
Sc/ms	25	28	52	127	224	274	291	255	183	83	38	23	1602
Sc/aw	12	13	25	60	104	127	135	118	91	42	19	11	756
Sc/ms/aw	5	6	11	26	46	56	60	52	42	20	9	5	339
Ms-low	11	13	19	39	64	83	91	79	66	37	17	10	528
Ms-high	3	4	7	15	26	33	35	31	25	13	6	3	202
Ms/aw	4	4	7	15	26	33	35	31	25	12	5	3	200
Aw	22	25	48	105	175	210	223	192	130	59	27	21	1238
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	40	44	82	171	275	328	349	305	223	106	53	37	2014

2000 LCRAS Sheet L, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR, CA												
Acreages (acres)												
Total Agricultural Acres	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
Alfalfa-perennial	94.94	94.94	94.94	94.94	94.94	94.94	94.94	94.94	94.94	94.94	94.94	94.94
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	72.26	72.26	72.26	72.26	72.26	72.26	72.26	72.26	72.26	72.26	72.26	72.26
Small Grain	477.32	477.32	477.32	477.32	477.32	477.32	477.32	477.32	477.32	477.32	477.32	477.32
Field Grain	121.74	121.74	121.74	121.74	121.74	121.74	121.74	121.74	121.74	121.74	121.74	121.74
Lettuce-early	595.64	595.64	595.64	595.64	595.64	595.64	595.64	595.64	595.64	595.64	595.64	595.64
Lettuce-late	396.88	396.88	396.88	396.88	396.88	396.88	396.88	396.88	396.88	396.88	396.88	396.88
Melons-spring	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	343.99	343.99	343.99	343.99	343.99	343.99	343.99	343.99	343.99	343.99	343.99	343.99
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10
Dates	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38
Safflower	32.47	32.47	32.47	32.47	32.47	32.47	32.47	32.47	32.47	32.47	32.47	32.47
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet L, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR, CA												
Acreages (acres)												
Total Phreatophyte Acres	3189	3189	3189	3189	3189	3189	3189	3189	3189	3189	3189	3189
Marsh	35.09	35.09	35.09	35.09	35.09	35.09	35.09	35.09	35.09	35.09	35.09	35.09
Barren	835.62	835.62	835.62	835.62	835.62	835.62	835.62	835.62	835.62	835.62	835.62	835.62
Sc-low	586.48	586.48	586.48	586.48	586.48	586.48	586.48	586.48	586.48	586.48	586.48	586.48
Sc-high	251.95	251.95	251.95	251.95	251.95	251.95	251.95	251.95	251.95	251.95	251.95	251.95
Sc/ms	298.92	298.92	298.92	298.92	298.92	298.92	298.92	298.92	298.92	298.92	298.92	298.92
Sc/aw	145.61	145.61	145.61	145.61	145.61	145.61	145.61	145.61	145.61	145.61	145.61	145.61
Sc/ms/aw	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62	64.62
Ms-low	135.92	135.92	135.92	135.92	135.92	135.92	135.92	135.92	135.92	135.92	135.92	135.92
Ms-high	41.43	41.43	41.43	41.43	41.43	41.43	41.43	41.43	41.43	41.43	41.43	41.43
Ms/aw	43.02	43.02	43.02	43.02	43.02	43.02	43.02	43.02	43.02	43.02	43.02	43.02
Aw	269.49	269.49	269.49	269.49	269.49	269.49	269.49	269.49	269.49	269.49	269.49	269.49
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	480.39	480.39	480.39	480.39	480.39	480.39	480.39	480.39	480.39	480.39	480.39	480.39

2000 LCRAS Sheet L, Page 5 of 5 2000 TOTAL DIVERTER ET
Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR], CA)
Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Bard Unit, CA)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	1190	1185	1930	3052	3109	2344	2388	2109	1520	1115	1212	934	22,088
On-District Open-Water Evap.													
FYIR Bard Unit, CA	5	7	9	13	19	21	24	18	15	7	5	4	148
Total Phreatophyte ET													
FYIR Bard Unit, CA	12	14	28	64	114	140	149	130	95	44	19	12	821
Monthly ET values													
Alfalfa-perennial	6	9	11	14	20	22	24	21	16	12	7	8	168
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	67	145	266	404	393	262	45	0	0	1582
Small Grain	499	678	1016	1224	392	0	0	0	0	0	0	196	4004
Field Grain	0	40	194	501	627	163	0	0	0	0	0	0	1524
Lettuce-early	0	0	0	0	0	0	0	0	330	524	610	0	1464
Lettuce-late	256	0	0	0	0	0	0	0	0	0	72	204	533
Melons-spring	0	43	124	238	269	0	0	0	0	0	0	0	674
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	1	1	0	0	0	0	0	3
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	8	9	13	18	20	21	23	20	17	9	8	8	174
Citrus-mature	94	100	143	199	231	241	256	224	190	108	94	93	1973
Citrus-declining	1	1	1	1	1	1	2	1	1	1	1	1	12
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	163	615	780	830	715	0	0	0	0	3104
Legume/Solanum Veg	47	52	23	0	0	0	0	0	0	4	21	42	189
Crucifers	61	0	0	0	0	0	0	0	98	78	146	149	533
Dates	204	232	361	538	678	738	785	688	569	318	242	220	5572
Safflower	0	7	22	49	62	59	7	0	0	0	0	0	206
Orchards	1	1	1	3	4	4	5	4	3	2	1	1	31
Small Vegetables	5	5	8	10	0	0	0	0	0	0	2	4	34
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	3	3	5	15	25	27	29	24	18	7	4	3	162
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Bard Unit, CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	1	2	2	2	2	2	2	2	2	1	1	1	20
Sc-low	2	2	4	8	21	29	31	27	22	11	5	2	163
Sc-high	3	3	10	25	42	48	51	44	28	12	4	3	272
Sc/ms	3	3	6	14	25	30	32	28	20	9	4	3	175
Sc/aw	1	1	2	4	8	9	10	9	7	3	1	1	56
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	1	2	3	6	10	13	14	12	10	5	2	1	80
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	1	2	5	7	9	9	8	6	3	1	1	54

2000 LCRAS Sheet M, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Bard Unit, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR Bard Unit, CA Acreages (acres)												
Total Agricultural Acres	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261	10261
Alfalfa-perennial	30.55	30.55	30.55	30.55	30.55	30.55	30.55	30.55	30.55	30.55	30.55	30.55
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	468.67	468.67	468.67	468.67	468.67	468.67	468.67	468.67	468.67	468.67	468.67	468.67
Small Grain	2028.30	2028.30	2028.30	2028.30	2028.30	2028.30	2028.30	2028.30	2028.30	2028.30	2028.30	2028.30
Field Grain	690.40	690.40	690.40	690.40	690.40	690.40	690.40	690.40	690.40	690.40	690.40	690.40
Lettuce-early	2383.31	2383.31	2383.31	2383.31	2383.31	2383.31	2383.31	2383.31	2383.31	2383.31	2383.31	2383.31
Lettuce-late	1090.63	1090.63	1090.63	1090.63	1090.63	1090.63	1090.63	1090.63	1090.63	1090.63	1090.63	1090.63
Melons-spring	371.78	371.78	371.78	371.78	371.78	371.78	371.78	371.78	371.78	371.78	371.78	371.78
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	76.30	76.30	76.30	76.30	76.30	76.30	76.30	76.30	76.30	76.30	76.30	76.30
Citrus-mature	516.29	516.29	516.29	516.29	516.29	516.29	516.29	516.29	516.29	516.29	516.29	516.29
Citrus-declining	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	856.82	856.82	856.82	856.82	856.82	856.82	856.82	856.82	856.82	856.82	856.82	856.82
Legume/Solanum Veg	170.05	170.05	170.05	170.05	170.05	170.05	170.05	170.05	170.05	170.05	170.05	170.05
Crucifers	587.88	587.88	587.88	587.88	587.88	587.88	587.88	587.88	587.88	587.88	587.88	587.88
Dates	860.38	860.38	860.38	860.38	860.38	860.38	860.38	860.38	860.38	860.38	860.38	860.38
Safflower	65.26	65.26	65.26	65.26	65.26	65.26	65.26	65.26	65.26	65.26	65.26	65.26
Orchards	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39
Small Vegetables	18.75	18.75	18.75	18.75	18.75	18.75	18.75	18.75	18.75	18.75	18.75	18.75
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	34.41	34.41	34.41	34.41	34.41	34.41	34.41	34.41	34.41	34.41	34.41	34.41
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet M, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Bard Unit, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR Bard Unit, CA												
Acreages (acres)												
Total Phreatophyte Acres	176	176	176	176	176	176	176	176	176	176	176	176
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	9.69	9.69	9.69	9.69	9.69	9.69	9.69	9.69	9.69	9.69	9.69	9.69
Sc-low	39.23	39.23	39.23	39.23	39.23	39.23	39.23	39.23	39.23	39.23	39.23	39.23
Sc-high	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44
Sc/ms	32.74	32.74	32.74	32.74	32.74	32.74	32.74	32.74	32.74	32.74	32.74	32.74
Sc/aw	10.69	10.69	10.69	10.69	10.69	10.69	10.69	10.69	10.69	10.69	10.69	10.69
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	12.98	12.98	12.98	12.98	12.98	12.98	12.98	12.98	12.98	12.98	12.98	12.98

2000 LCRAS Sheet M, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Bard Unit, CA)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Indian Unit, CA)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	1058	1061	1667	2467	2156	1488	1503	1291	627	878	1150	678	16,024
On-District Open-Water Evap.													
FYIR Indian Unit, CA	3	4	6	8	12	13	15	12	9	4	3	3	94
Total Phreatophyte ET													
FYIR Indian Unit, CA	15	17	24	36	61	76	81	71	56	29	17	15	497
Monthly ET values													
Alfalfa-perennial	6	9	11	15	20	22	24	21	16	12	7	8	170
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	712	968	1451	1749	560	0	0	0	0	0	0	280	5721
Field Grain	0	15	75	193	242	63	0	0	0	0	0	0	588
Lettuce-early	0	0	0	0	0	0	0	0	482	766	891	0	2138
Lettuce-late	241	0	0	0	0	0	0	0	0	0	68	192	501
Melons-spring	0	35	101	195	220	0	0	0	0	0	0	0	552
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	285	1077	1366	1453	1251	0	0	0	0	5432
Legume/Solanum Veg	20	22	10	0	0	0	0	0	0	2	9	18	81
Crucifers	71	0	0	0	0	0	0	0	114	90	169	173	617
Dates	2	3	4	6	7	8	9	8	6	3	3	2	61
Safflower	0	2	6	14	17	16	2	0	0	0	0	0	57
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	2	2	3	3	0	0	0	0	0	0	1	1	12
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Indian Unit, CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	10	11	13	12	14	15	16	14	12	8	8	10	143
Sc-low	2	2	4	9	21	30	32	28	23	11	5	2	169
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	2
Sc/ms	1	1	2	4	7	8	9	8	6	3	1	1	49
Sc/aw	1	1	2	4	6	8	8	7	6	3	1	1	47
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	1
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	2	2	4	7	12	14	15	13	10	5	2	2	86

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Indian Unit, CA)

FYIR Indian Unit, CA
Acreages (acres)

	January	February	March	April	May	June	July	August	September	October	November	December
Total Agricultural Acres	10295	10295	10295	10295	10295	10295	10295	10295	10295	10295	10295	10295
Alfalfa-perennial	30.94	30.94	30.94	30.94	30.94	30.94	30.94	30.94	30.94	30.94	30.94	30.94
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	2898.11	2898.11	2898.11	2898.11	2898.11	2898.11	2898.11	2898.11	2898.11	2898.11	2898.11	2898.11
Field Grain	266.35	266.35	266.35	266.35	266.35	266.35	266.35	266.35	266.35	266.35	266.35	266.35
Lettuce-early	3481.77	3481.77	3481.77	3481.77	3481.77	3481.77	3481.77	3481.77	3481.77	3481.77	3481.77	3481.77
Lettuce-late	1026.65	1026.65	1026.65	1026.65	1026.65	1026.65	1026.65	1026.65	1026.65	1026.65	1026.65	1026.65
Melons-spring	304.15	304.15	304.15	304.15	304.15	304.15	304.15	304.15	304.15	304.15	304.15	304.15
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	1499.42	1499.42	1499.42	1499.42	1499.42	1499.42	1499.42	1499.42	1499.42	1499.42	1499.42	1499.42
Legume/Solanum Veg	72.68	72.68	72.68	72.68	72.68	72.68	72.68	72.68	72.68	72.68	72.68	72.68
Crucifers	680.80	680.80	680.80	680.80	680.80	680.80	680.80	680.80	680.80	680.80	680.80	680.80
Dates	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39
Safflower	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20	18.20
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	6.60	6.60	6.60	6.60	6.60	6.60	6.60	6.60	6.60	6.60	6.60	6.60
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Indian Unit, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR Indian Unit, CA												
Acreages (acres)												
Total Phreatophyte Acres	149	149	149	149	149	149	149	149	149	149	149	149
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	68.64	68.64	68.64	68.64	68.64	68.64	68.64	68.64	68.64	68.64	68.64	68.64
Sc-low	40.50	40.50	40.50	40.50	40.50	40.50	40.50	40.50	40.50	40.50	40.50	40.50
Sc-high	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Sc/ms	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09
Sc/aw	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05	9.05
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	20.49	20.49	20.49	20.49	20.49	20.49	20.49	20.49	20.49	20.49	20.49	20.49

2000 LCRAS Sheet N, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Fort Yuma Indian Reservation's [FYIR] Indian Unit, CA)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] and Picacho State Recreation Area [SRA], CA)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
FYIR & Picacho SRA, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
FYIR & Picacho SRA, CA	0	0	0	0	1	1	1	1	1	0	0	0	5
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] and Picacho State Recreation Area [SRA], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	3
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	2
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] and Picacho State Recreation Area [SRA], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR & Picacho SRA, CA Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] and Picacho State Recreation Area [SRA], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR & Picacho SRA, CA Acreages (acres)												
Total Phreatophyte Acres	2	2	2	2	2	2	2	2	2	2	2	2
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
Sc-low	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

2000 LCRAS Sheet O, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] and Picacho State Recreation Area [SRA], CA)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] & Yuma Proving Ground [YPG], CA)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
FYIR & YPG, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
FYIR & YPG, CA	16	18	35	69	115	137	146	127	94	43	21	16	838
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] & Yuma Proving Ground [YPG], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	1	1	4	8	10	11	11	10	8	3	1	1	68
Barren	6	7	8	7	9	9	10	9	7	5	5	6	87
Sc-low	2	2	3	6	15	21	22	19	16	8	3	2	116
Sc-high	3	3	9	21	36	41	43	37	24	10	4	2	232
Sc/ms	2	2	4	9	16	20	21	19	13	6	3	2	117
Sc/aw	1	1	3	6	11	13	14	13	10	4	2	1	80
Sc/ms/aw	1	1	2	4	6	8	8	7	6	3	1	1	46
Ms-low	0	0	0	1	1	2	2	2	1	1	0	0	10
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	1	2	3	4	4	4	3	1	1	0	24
Aw	0	0	1	2	3	3	3	3	2	1	0	0	19
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	1	2	3	5	6	7	6	4	2	1	1	39

 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] & Yuma Proving Ground [YPG], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR & YPG, CA Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet P, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] & Yuma Proving Ground [YPG], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
FYIR & YPG, CA												
Acreages (acres)												
Total Phreatophyte Acres	194	194	194	194	194	194	194	194	194	194	194	194
Marsh	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31
Barren	41.49	41.49	41.49	41.49	41.49	41.49	41.49	41.49	41.49	41.49	41.49	41.49
Sc-low	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80
Sc-high	46.41	46.41	46.41	46.41	46.41	46.41	46.41	46.41	46.41	46.41	46.41	46.41
Sc/ms	21.74	21.74	21.74	21.74	21.74	21.74	21.74	21.74	21.74	21.74	21.74	21.74
Sc/aw	15.48	15.48	15.48	15.48	15.48	15.48	15.48	15.48	15.48	15.48	15.48	15.48
Sc/ms/aw	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79	8.79
Ms-low	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15
Aw	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25

2000 LCRAS Sheet P, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Fort Yuma Indian Reservation [FYIR] & Yuma Proving Ground [YPG], CA)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Hillander "C" Irrigation District [ID], AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	318	337	371	456	546	561	597	522	420	243	261	307	4,940
On-District Open-Water Evap.													
Hillander "C" ID, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Hillander "C" ID, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	4	0	0	0	0	0	0	0	0	0	1	3	8
Melons-spring	0	2	6	12	14	0	0	0	0	0	0	0	35
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	65	68	98	137	159	166	176	155	131	68	65	64	1353
Citrus-mature	138	146	210	292	338	353	376	329	278	159	138	137	2895
Citrus-declining	4	4	6	8	9	10	10	9	8	4	4	4	78
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	7	26	32	34	30	0	0	0	0	129
Legume/Solanum Veg	106	116	51	0	0	0	0	0	0	9	48	94	424
Crucifers	2	0	0	0	0	0	0	0	3	3	5	5	18
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Hillander "C" Irrigation District [ID], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet Q, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Hillander "C" Irrigation District [ID], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Hillander "C" ID, AZ												
Acreages (acres)												
Total Agricultural Acres	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13
Melons-spring	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	593.23	593.23	593.23	593.23	593.23	593.23	593.23	593.23	593.23	593.23	593.23	593.23
Citrus-mature	757.67	757.67	757.67	757.67	757.67	757.67	757.67	757.67	757.67	757.67	757.67	757.67
Citrus-declining	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	35.57	35.57	35.57	35.57	35.57	35.57	35.57	35.57	35.57	35.57	35.57	35.57
Legume/Solanum Veg	382.31	382.31	382.31	382.31	382.31	382.31	382.31	382.31	382.31	382.31	382.31	382.31
Crucifers	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31	19.31
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Hillander "C" Irrigation District [ID], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Hillander "C" ID, AZ												
Acreages (acres)												
Total Phreatophyte Acres	0	0	0	0	0	0	0	0	0	0	0	0
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet Q, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Hillander "C" Irrigation District [ID], AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Imperial National Wildlife Refuge [NWR], AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	4	6	7	10	13	15	16	14	11	8	5	5	112
On-District Open-Water Evap.													
Imperial NWR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Imperial NWR, AZ	90	101	238	503	784	930	992	864	663	287	123	86	5661
Monthly ET values													
Alfalfa-perennial	4	5	7	9	12	13	14	12	9	7	4	5	100
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	1	1	2	2	2	2	1	1	1	0	12
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Imperial National Wildlife Refuge [NWR], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	17	19	88	186	227	243	259	226	186	61	18	16	1546
Barren	14	16	19	17	20	22	23	20	17	11	11	14	205
Sc-low	9	11	16	37	91	128	136	119	98	47	20	9	721
Sc-high	9	10	30	71	121	138	146	126	81	34	12	8	786
Sc/ms	9	10	19	47	83	102	108	95	68	31	14	9	595
Sc/aw	4	5	9	21	37	45	48	42	32	15	7	4	270
Sc/ms/aw	4	4	8	19	33	40	43	37	30	14	6	4	242
Ms-low	5	5	8	16	27	35	39	34	28	16	7	4	225
Ms-high	2	2	4	10	17	21	23	20	16	8	4	2	131
Ms/aw	4	5	9	19	32	41	44	39	31	15	7	4	252
Aw	8	9	17	36	60	72	77	66	45	20	9	7	427
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	5	6	11	22	36	43	46	40	29	14	7	5	263

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Imperial National Wildlife Refuge [NWR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR, AZ Acreages (acres)												
Total Agricultural Acres	21	21	21	21	21	21	21	21	21	21	21	21
Alfalfa-perennial	18.21	18.21	18.21	18.21	18.21	18.21	18.21	18.21	18.21	18.21	18.21	18.21
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet R, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Imperial National Wildlife Refuge [NWR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR, AZ												
Acreages (acres)												
Total Phreatophyte Acres	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190
Marsh	258.37	258.37	258.37	258.37	258.37	258.37	258.37	258.37	258.37	258.37	258.37	258.37
Barren	98.11	98.11	98.11	98.11	98.11	98.11	98.11	98.11	98.11	98.11	98.11	98.11
Sc-low	173.12	173.12	173.12	173.12	173.12	173.12	173.12	173.12	173.12	173.12	173.12	173.12
Sc-high	157.18	157.18	157.18	157.18	157.18	157.18	157.18	157.18	157.18	157.18	157.18	157.18
Sc/ms	110.94	110.94	110.94	110.94	110.94	110.94	110.94	110.94	110.94	110.94	110.94	110.94
Sc/aw	51.92	51.92	51.92	51.92	51.92	51.92	51.92	51.92	51.92	51.92	51.92	51.92
Sc/ms/aw	46.09	46.09	46.09	46.09	46.09	46.09	46.09	46.09	46.09	46.09	46.09	46.09
Ms-low	57.89	57.89	57.89	57.89	57.89	57.89	57.89	57.89	57.89	57.89	57.89	57.89
Ms-high	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78
Ms/aw	54.09	54.09	54.09	54.09	54.09	54.09	54.09	54.09	54.09	54.09	54.09	54.09
Aw	92.87	92.87	92.87	92.87	92.87	92.87	92.87	92.87	92.87	92.87	92.87	92.87
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	62.65	62.65	62.65	62.65	62.65	62.65	62.65	62.65	62.65	62.65	62.65	62.65

2000 LCRAS Sheet R, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Imperial National Wildlife Refuge [NWR], AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Imperial NWR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Imperial NWR, CA	7	7	10	12	16	19	20	18	15	8	6	6	144
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	1	2	3	3	3	3	2	1	0	0	20
Barren	6	6	8	7	8	9	9	8	7	4	5	6	83
Sc-low	1	1	1	2	5	7	8	7	6	3	1	1	41
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet S, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR, CA												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet S, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR, CA												
Acreages (acres)												
Total Phreatophyte Acres	53	53	53	53	53	53	53	53	53	53	53	53
Marsh	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27
Barren	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Sc-low	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR], CA)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR] & Yuma Proving Ground [YPG], CA)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Imperial NWR & YPG, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Imperial NWR & YPG, CA	1	1	2	3	6	8	9	8	6	3	1	1	48
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR] & Yuma Proving Ground [YPG], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	1	2	2	3	2	2	1	0	0	14
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	1	1	2	3	3	3	2	1	0	0	18
Aw	0	0	1	1	2	3	3	2	2	1	0	0	16
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR] & Yuma Proving Ground [YPG], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR & YPG, CA Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet T, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for Imperial National Wildlife Refuge [NWR] & Yuma Proving Ground [YPG], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Imperial NWR & YPG, CA												
Acreages (acres)												
Total Phreatophyte Acres	11	11	11	11	11	11	11	11	11	11	11	11
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Sc-low	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92
Aw	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39	3.39
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet T, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for Imperial National Wildlife Refuge [NWR] & Yuma Proving Ground [YPG], CA)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Mittry Lake State Wildlife Area [SWA], AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	7	9	11	15	20	22	24	22	18	13	9	11	182
On-District Open-Water Evap.													
Mittry Lake SWA, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Mittry Lake SWA, AZ	149	169	374	845	1411	1696	1808	1571	1157	519	220	141	10060
Monthly ET values													
Alfalfa-perennial	6	9	11	15	20	22	24	22	16	12	7	8	174
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	1	0	0	0	0	0	0	0	2	1	2	2	9
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Mittry Lake State Wildlife Area [SWA], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	10	12	55	117	142	152	162	142	116	38	11	10	967
Barren	4	5	6	5	6	7	7	6	5	3	3	4	63
Sc-low	11	13	19	44	110	154	165	144	118	57	24	11	871
Sc-high	30	34	104	250	425	482	513	441	286	120	44	28	2757
Sc/ms	19	21	40	98	172	211	224	196	141	64	29	18	1233
Sc/aw	13	15	28	66	115	140	149	131	100	46	21	12	837
Sc/ms/aw	5	6	11	25	44	54	57	50	40	19	8	5	323
Ms-low	14	16	24	48	78	103	112	98	81	45	21	13	652
Ms-high	4	4	8	18	30	37	40	35	29	15	7	4	230
Ms/aw	14	15	27	58	97	125	134	118	95	45	21	13	761
Aw	21	24	45	100	165	198	211	182	123	56	25	20	1171
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	4	4	8	17	27	32	34	30	22	10	5	4	195

2000 LCRAS Sheet U, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Mittry Lake State Wildlife Area [SWA], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Mittry Lake SWA, AZ												
Acreages (acres)												
Total Agricultural Acres	41	41	41	41	41	41	41	41	41	41	41	41
Alfalfa-perennial	31.57	31.57	31.57	31.57	31.57	31.57	31.57	31.57	31.57	31.57	31.57	31.57
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet U, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Mittry Lake State Wildlife Area [SWA], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Mittry Lake SWA, AZ												
Acreages (acres)												
Total Phreatophyte Acres	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085
Marsh	161.59	161.59	161.59	161.59	161.59	161.59	161.59	161.59	161.59	161.59	161.59	161.59
Barren	30.41	30.41	30.41	30.41	30.41	30.41	30.41	30.41	30.41	30.41	30.41	30.41
Sc-low	209.01	209.01	209.01	209.01	209.01	209.01	209.01	209.01	209.01	209.01	209.01	209.01
Sc-high	551.40	551.40	551.40	551.40	551.40	551.40	551.40	551.40	551.40	551.40	551.40	551.40
Sc/ms	230.02	230.02	230.02	230.02	230.02	230.02	230.02	230.02	230.02	230.02	230.02	230.02
Sc/aw	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16
Sc/ms/aw	61.56	61.56	61.56	61.56	61.56	61.56	61.56	61.56	61.56	61.56	61.56	61.56
Ms-low	167.82	167.82	167.82	167.82	167.82	167.82	167.82	167.82	167.82	167.82	167.82	167.82
Ms-high	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10
Ms/aw	163.76	163.76	163.76	163.76	163.76	163.76	163.76	163.76	163.76	163.76	163.76	163.76
Aw	254.74	254.74	254.74	254.74	254.74	254.74	254.74	254.74	254.74	254.74	254.74	254.74
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	46.54	46.54	46.54	46.54	46.54	46.54	46.54	46.54	46.54	46.54	46.54	46.54

2000 LCRAS Sheet U, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Mittry Lake State Wildlife Area [SWA], AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for North Cocopah Indian Reservation [IR], AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	60	82	123	148	48	0	0	0	10	16	19	24	531
On-District Open-Water Evap.													
North Cocopah IR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
North Cocopah IR, AZ	13	15	24	50	95	121	129	113	86	41	20	13	719
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	60	82	123	148	48	0	0	0	0	0	0	24	485
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	10	16	19	0	45
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for North Cocopah Indian Reservation [IR], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	3	4	4	4	5	5	5	5	4	3	3	3	48
Sc-low	4	5	7	16	39	55	59	52	42	20	9	4	311
Sc-high	1	1	3	8	13	15	16	14	9	4	1	1	87
Sc/ms	2	2	4	9	16	20	21	19	13	6	3	2	117
Sc/aw	0	0	1	2	3	4	4	4	3	1	1	0	23
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	3	3	5	11	18	22	23	20	15	7	4	2	133

2000 LCRAS Sheet V, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for North Cocopah Indian Reservation [IR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
North Cocopah IR, AZ												
Acreages (acres)												
Total Agricultural Acres	320	320	320	320	320	320	320	320	320	320	320	320
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	245.78	245.78	245.78	245.78	245.78	245.78	245.78	245.78	245.78	245.78	245.78	245.78
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	74.04	74.04	74.04	74.04	74.04	74.04	74.04	74.04	74.04	74.04	74.04	74.04
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet V, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for North Cocopah Indian Reservation [IR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
North Cocopah IR, AZ												
Acreages (acres)												
Total Phreatophyte Acres	173	173	173	173	173	173	173	173	173	173	173	173
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	22.86	22.86	22.86	22.86	22.86	22.86	22.86	22.86	22.86	22.86	22.86	22.86
Sc-low	74.74	74.74	74.74	74.74	74.74	74.74	74.74	74.74	74.74	74.74	74.74	74.74
Sc-high	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30	17.30
Sc/ms	21.84	21.84	21.84	21.84	21.84	21.84	21.84	21.84	21.84	21.84	21.84	21.84
Sc/aw	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	31.71	31.71	31.71	31.71	31.71	31.71	31.71	31.71	31.71	31.71	31.71	31.71

2000 LCRAS Sheet V, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for North Cocopah Indian Reservation [IR], AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the North Gila Valley Irrigation District [ID], AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	907	648	975	1773	2151	2144	2624	2425	1581	975	1091	705	17,999
On-District Open-Water Evap.													
North Gila Valley ID, AZ	1	1	1	2	3	3	3	3	2	1	1	1	22
Total Phreatophyte ET													
North Gila Valley ID, AZ	17	19	31	64	110	137	146	127	96	46	23	16	832
Monthly ET values													
Alfalfa-perennial	26	38	48	62	84	94	102	90	67	50	29	35	725
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	243	526	968	1472	1430	955	164	0	0	5759
Small Grain	330	448	672	809	259	0	0	0	0	0	0	130	2648
Field Grain	0	23	113	291	364	95	0	0	0	0	0	0	886
Lettuce-early	0	0	0	0	0	0	0	0	412	655	761	0	1828
Lettuce-late	389	0	0	0	0	0	0	0	0	0	109	310	808
Melons-spring	0	20	58	112	127	0	0	0	0	0	0	0	317
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	2	4	4	5	4	3	0	0	0	22
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	3	3	4	6	7	7	7	7	6	3	3	3	57
Citrus-mature	21	22	32	44	52	54	57	50	42	24	21	21	441
Citrus-declining	2	3	4	5	6	6	7	6	5	3	2	2	52
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	190	718	910	968	834	0	0	0	0	3620
Legume/Solanum Veg	78	86	38	0	0	0	0	0	0	7	35	70	313
Crucifers	54	0	0	0	0	0	0	0	86	68	128	131	467
Dates	1	1	1	2	2	2	3	2	2	1	1	1	18
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	2	3	4	5	0	0	0	0	0	0	1	2	17
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the North Gila Valley Irrigation District [ID], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	4	5	5	5	6	6	7	6	5	3	3	4	59
Sc-low	2	2	3	7	16	23	25	22	18	8	4	2	130
Sc-high	1	1	2	5	8	9	9	8	5	2	1	1	50
Sc/ms	3	3	6	14	25	30	32	28	20	9	4	3	178
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	1
Sc/ms/aw	1	1	1	3	6	7	8	7	5	3	1	1	44
Ms-low	1	1	2	4	6	8	9	8	6	4	2	1	51
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	2	2	4	9	15	19	21	18	15	7	3	2	118
Aw	2	2	4	8	13	16	17	14	10	4	2	2	92
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	2	2	4	9	15	18	19	16	12	6	3	2	108

2000 LCRAS Sheet W, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the North Gila Valley Irrigation District [ID], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
North Gila Valley ID, AZ												
Acreages (acres)												
Total Agricultural Acres	10362	10362	10362	10362	10362	10362	10362	10362	10362	10362	10362	10362
Alfalfa-perennial	131.77	131.77	131.77	131.77	131.77	131.77	131.77	131.77	131.77	131.77	131.77	131.77
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	1706.23	1706.23	1706.23	1706.23	1706.23	1706.23	1706.23	1706.23	1706.23	1706.23	1706.23	1706.23
Small Grain	1341.24	1341.24	1341.24	1341.24	1341.24	1341.24	1341.24	1341.24	1341.24	1341.24	1341.24	1341.24
Field Grain	401.22	401.22	401.22	401.22	401.22	401.22	401.22	401.22	401.22	401.22	401.22	401.22
Lettuce-early	2976.12	2976.12	2976.12	2976.12	2976.12	2976.12	2976.12	2976.12	2976.12	2976.12	2976.12	2976.12
Lettuce-late	1655.06	1655.06	1655.06	1655.06	1655.06	1655.06	1655.06	1655.06	1655.06	1655.06	1655.06	1655.06
Melons-spring	174.78	174.78	174.78	174.78	174.78	174.78	174.78	174.78	174.78	174.78	174.78	174.78
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	6.15	6.15	6.15	6.15	6.15	6.15	6.15	6.15	6.15	6.15	6.15	6.15
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07
Citrus-mature	115.35	115.35	115.35	115.35	115.35	115.35	115.35	115.35	115.35	115.35	115.35	115.35
Citrus-declining	19.43	19.43	19.43	19.43	19.43	19.43	19.43	19.43	19.43	19.43	19.43	19.43
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	999.27	999.27	999.27	999.27	999.27	999.27	999.27	999.27	999.27	999.27	999.27	999.27
Legume/Solanum Veg	282.43	282.43	282.43	282.43	282.43	282.43	282.43	282.43	282.43	282.43	282.43	282.43
Crucifers	515.20	515.20	515.20	515.20	515.20	515.20	515.20	515.20	515.20	515.20	515.20	515.20
Dates	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet W, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the North Gila Valley Irrigation District [ID], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
North Gila Valley ID, AZ												
Acreages (acres)												
Total Phreatophyte Acres	196	196	196	196	196	196	196	196	196	196	196	196
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	28.42	28.42	28.42	28.42	28.42	28.42	28.42	28.42	28.42	28.42	28.42	28.42
Sc-low	31.17	31.17	31.17	31.17	31.17	31.17	31.17	31.17	31.17	31.17	31.17	31.17
Sc-high	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
Sc/ms	33.26	33.26	33.26	33.26	33.26	33.26	33.26	33.26	33.26	33.26	33.26	33.26
Sc/aw	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Sc/ms/aw	8.38	8.38	8.38	8.38	8.38	8.38	8.38	8.38	8.38	8.38	8.38	8.38
Ms-low	13.13	13.13	13.13	13.13	13.13	13.13	13.13	13.13	13.13	13.13	13.13	13.13
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	25.43	25.43	25.43	25.43	25.43	25.43	25.43	25.43	25.43	25.43	25.43	25.43
Aw	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	25.82	25.82	25.82	25.82	25.82	25.82	25.82	25.82	25.82	25.82	25.82	25.82

2000 LCRAS Sheet W, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the North Gila Valley Irrigation District [ID], AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Picacho State Recreation [SR] Lands, CA)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
Picacho SR Lands, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
Picacho SR Lands, CA	3	3	5	9	15	19	20	18	13	7	4	3	120
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Picacho State Recreation [SR] Lands, CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	1	2	2	2	2	2	2	2	2	1	1	1	20
Sc-low	0	0	0	1	3	4	4	4	3	1	1	0	22
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	1	2	2	3	2	2	1	0	0	15
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	1	2	2	2	2	2	1	0	0	14
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	1
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	1	2	4	7	8	8	7	5	3	1	1	48

2000 LCRAS Sheet X, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Picacho State Recreation [SR] Lands, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Picacho SR Lands, CA												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet X, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Picacho State Recreation [SR] Lands, CA)

	January	February	March	April	May	June	July	August	September	October	November	December
Picacho SR Lands, CA												
Acreages (acres)												
Total Phreatophyte Acres	32	32	32	32	32	32	32	32	32	32	32	32
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	9.81	9.81	9.81	9.81	9.81	9.81	9.81	9.81	9.81	9.81	9.81	9.81
Sc-low	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	11.52	11.52	11.52	11.52	11.52	11.52	11.52	11.52	11.52	11.52	11.52	11.52

2000 LCRAS Sheet X, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Picacho State Recreation [SR] Lands, CA)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Sturges Gila Monster [GM] Ranch, AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	287	90	203	556	864	843	998	930	543	201	237	276	6,026
On-District Open-Water Evap.													
Sturges GM Ranch, AZ	0	1	1	1	1	2	2	1	1	1	0	0	12
Total Phreatophyte ET													
Sturges GM Ranch, AZ	1	1	1	3	7	9	9	8	6	3	1	1	49
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	105	227	417	634	617	412	70	0	0	2482
Small Grain	37	51	76	92	29	0	0	0	0	0	0	15	300
Field Grain	0	20	100	258	323	84	0	0	0	0	0	0	784
Lettuce-early	0	0	0	0	0	0	0	0	43	69	80	0	193
Lettuce-late	197	0	0	0	0	0	0	0	0	0	55	157	410
Melons-spring	0	2	4	8	9	0	0	0	0	0	0	0	23
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	14	15	21	30	34	36	38	34	28	15	14	14	293
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	63	240	304	323	278	0	0	0	0	1209
Legume/Solanum Veg	2	2	1	0	0	0	0	0	0	0	1	1	7
Crucifers	36	0	0	0	0	0	0	0	58	46	86	88	313
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Sturges Gila Monster [GM] Ranch, AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	1	1	4	5	6	5	4	2	1	0	29
Sc-high	0	0	1	2	3	3	4	3	2	1	0	0	20
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet Y, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Sturges Gila Monster [GM] Ranch, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Sturges GM Ranch, AZ												
Acreages (acres)												
Total Agricultural Acres	3223	3223	3223	3223	3223	3223	3223	3223	3223	3223	3223	3223
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	735.41	735.41	735.41	735.41	735.41	735.41	735.41	735.41	735.41	735.41	735.41	735.41
Small Grain	151.72	151.72	151.72	151.72	151.72	151.72	151.72	151.72	151.72	151.72	151.72	151.72
Field Grain	355.30	355.30	355.30	355.30	355.30	355.30	355.30	355.30	355.30	355.30	355.30	355.30
Lettuce-early	314.08	314.08	314.08	314.08	314.08	314.08	314.08	314.08	314.08	314.08	314.08	314.08
Lettuce-late	839.74	839.74	839.74	839.74	839.74	839.74	839.74	839.74	839.74	839.74	839.74	839.74
Melons-spring	12.94	12.94	12.94	12.94	12.94	12.94	12.94	12.94	12.94	12.94	12.94	12.94
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	128.55	128.55	128.55	128.55	128.55	128.55	128.55	128.55	128.55	128.55	128.55	128.55
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	333.75	333.75	333.75	333.75	333.75	333.75	333.75	333.75	333.75	333.75	333.75	333.75
Legume/Solanum Veg	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01
Crucifers	345.54	345.54	345.54	345.54	345.54	345.54	345.54	345.54	345.54	345.54	345.54	345.54
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet Y, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Sturges Gila Monster [GM] Ranch, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Sturges GM Ranch, AZ												
Acreages (acres)												
Total Phreatophyte Acres	11	11	11	11	11	11	11	11	11	11	11	11
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Sc-high	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet Y, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Sturges Gila Monster [GM] Ranch, AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the State of Arizona [AZ])
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	450	458	662	979	1081	1053	1141	1004	597	439	430	383	8,677
On-District Open-Water Evap.													
State of AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of AZ	195	218	394	803	1345	1633	1740	1519	1151	538	261	186	9983
Monthly ET values													
Alfalfa-perennial	64	92	115	149	202	226	244	216	162	119	69	85	1743
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	16	35	64	98	95	63	11	0	0	383
Small Grain	162	220	329	397	127	0	0	0	0	0	0	64	1299
Field Grain	0	3	15	39	48	13	0	0	0	0	0	0	118
Lettuce-early	0	0	0	0	0	0	0	0	92	147	171	0	411
Lettuce-late	76	0	0	0	0	0	0	0	0	0	21	60	157
Melons-spring	0	4	11	21	24	0	0	0	0	0	0	0	61
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	6	12	13	14	12	10	0	0	0	67
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	3	3	5	6	7	8	8	7	6	3	3	3	64
Citrus-mature	95	101	145	202	234	244	260	227	192	110	96	95	2001
Citrus-declining	3	3	5	7	8	8	8	7	6	3	3	3	65
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	91	342	434	462	397	0	0	0	0	1726
Legume/Solanum Veg	9	10	4	0	0	0	0	0	0	1	4	8	36
Crucifers	19	0	0	0	0	0	0	0	31	24	46	47	167
Dates	12	14	21	32	40	44	47	41	34	19	14	13	332
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	7	8	11	14	0	0	0	0	0	1	3	5	49
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table
(Sheet to calculate ET for the State of Arizona [AZ])

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	7	8	39	82	99	106	113	99	81	27	8	7	676
Barren	57	64	76	70	82	88	94	82	68	44	46	56	828
Sc-low	15	17	25	59	147	207	221	193	159	76	32	15	1168
Sc-high	13	14	44	105	178	203	216	185	120	50	18	12	1159
Sc/ms	33	38	71	173	304	372	396	346	248	113	52	31	2176
Sc/aw	27	30	55	132	230	280	298	261	201	92	42	25	1672
Sc/ms/aw	3	4	7	17	29	36	38	33	27	13	6	3	215
Ms-low	6	7	10	20	33	43	47	41	34	19	9	5	274
Ms-high	7	8	15	34	57	72	77	67	56	29	14	8	443
Ms/aw	9	10	18	38	64	82	89	78	63	30	14	8	502
Aw	5	5	10	21	35	43	45	39	26	12	5	4	251
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	12	14	25	52	84	101	107	94	68	33	16	11	618

2000 LCRAS Sheet Z, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ])

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ												
Acreages (acres)												
Total Agricultural Acres	3531	3531	3531	3531	3531	3531	3531	3531	3531	3531	3531	3531
Alfalfa-perennial	316.93	316.93	316.93	316.93	316.93	316.93	316.93	316.93	316.93	316.93	316.93	316.93
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	113.34	113.34	113.34	113.34	113.34	113.34	113.34	113.34	113.34	113.34	113.34	113.34
Small Grain	657.81	657.81	657.81	657.81	657.81	657.81	657.81	657.81	657.81	657.81	657.81	657.81
Field Grain	53.31	53.31	53.31	53.31	53.31	53.31	53.31	53.31	53.31	53.31	53.31	53.31
Lettuce-early	668.59	668.59	668.59	668.59	668.59	668.59	668.59	668.59	668.59	668.59	668.59	668.59
Lettuce-late	321.43	321.43	321.43	321.43	321.43	321.43	321.43	321.43	321.43	321.43	321.43	321.43
Melons-spring	33.37	33.37	33.37	33.37	33.37	33.37	33.37	33.37	33.37	33.37	33.37	33.37
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86
Citrus-mature	523.69	523.69	523.69	523.69	523.69	523.69	523.69	523.69	523.69	523.69	523.69	523.69
Citrus-declining	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.42
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	476.45	476.45	476.45	476.45	476.45	476.45	476.45	476.45	476.45	476.45	476.45	476.45
Legume/Solanum Veg	32.87	32.87	32.87	32.87	32.87	32.87	32.87	32.87	32.87	32.87	32.87	32.87
Crucifers	184.58	184.58	184.58	184.58	184.58	184.58	184.58	184.58	184.58	184.58	184.58	184.58
Dates	51.21	51.21	51.21	51.21	51.21	51.21	51.21	51.21	51.21	51.21	51.21	51.21
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet Z, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ])

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ												
Acreages (acres)												
Total Phreatophyte Acres	2262	2262	2262	2262	2262	2262	2262	2262	2262	2262	2262	2262
Marsh	113.03	113.03	113.03	113.03	113.03	113.03	113.03	113.03	113.03	113.03	113.03	113.03
Barren	396.89	396.89	396.89	396.89	396.89	396.89	396.89	396.89	396.89	396.89	396.89	396.89
Sc-low	280.28	280.28	280.28	280.28	280.28	280.28	280.28	280.28	280.28	280.28	280.28	280.28
Sc-high	231.77	231.77	231.77	231.77	231.77	231.77	231.77	231.77	231.77	231.77	231.77	231.77
Sc/ms	406.02	406.02	406.02	406.02	406.02	406.02	406.02	406.02	406.02	406.02	406.02	406.02
Sc/aw	321.99	321.99	321.99	321.99	321.99	321.99	321.99	321.99	321.99	321.99	321.99	321.99
Sc/ms/aw	40.85	40.85	40.85	40.85	40.85	40.85	40.85	40.85	40.85	40.85	40.85	40.85
Ms-low	70.62	70.62	70.62	70.62	70.62	70.62	70.62	70.62	70.62	70.62	70.62	70.62
Ms-high	90.86	90.86	90.86	90.86	90.86	90.86	90.86	90.86	90.86	90.86	90.86	90.86
Ms/aw	107.93	107.93	107.93	107.93	107.93	107.93	107.93	107.93	107.93	107.93	107.93	107.93
Aw	54.61	54.61	54.61	54.61	54.61	54.61	54.61	54.61	54.61	54.61	54.61	54.61
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	147.51	147.51	147.51	147.51	147.51	147.51	147.51	147.51	147.51	147.51	147.51	147.51

2000 LCRAS Sheet Z, Page 5 of 5 2000 TOTAL DIVERTER ET
Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the State of Arizona [AZ])
Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the State of Arizona [AZ]-Limitrophe)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	121	121	185	301	285	311	413	389	266	111	111	108	2,720
On-District Open-Water Evap.													
State of AZ-Limitrophe	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of AZ-Limitrophe	113	126	194	329	534	644	687	599	453	226	128	109	4141
Monthly ET values													
Alfalfa-perennial	5	7	9	12	16	18	20	18	13	10	6	7	142
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	48	104	191	291	282	189	32	0	0	1137
Small Grain	82	111	167	201	64	0	0	0	0	0	0	32	657
Field Grain	0	1	5	13	17	4	0	0	0	0	0	0	40
Lettuce-early	0	0	0	0	0	0	0	0	23	36	42	0	101
Lettuce-late	8	0	0	0	0	0	0	0	0	0	2	6	17
Melons-spring	0	1	3	7	8	0	0	0	0	0	0	0	19
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	20	76	97	103	89	0	0	0	0	385
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	26	0	0	0	0	0	0	0	41	33	61	63	223
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table
(Sheet to calculate ET for the State of Arizona [AZ]-Limitrophe)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	1	1	3	6	8	8	9	8	6	2	1	1	52
Barren	62	69	82	76	89	95	101	89	74	48	49	61	894
Sc-low	7	8	11	26	66	93	99	86	71	34	14	7	522
Sc-high	6	7	22	54	92	104	111	95	62	26	9	6	596
Sc/ms	6	7	13	32	56	69	73	64	46	21	10	6	404
Sc/aw	4	4	7	18	31	38	40	35	27	12	6	3	224
Sc/ms/aw	0	0	1	1	2	3	3	3	2	1	0	0	18
Ms-low	5	5	8	16	26	34	37	32	26	15	7	4	213
Ms-high	3	3	6	13	21	27	29	25	21	11	5	3	166
Ms/aw	4	5	9	19	31	40	43	38	30	15	7	4	244
Aw	5	6	11	24	40	48	51	44	29	13	6	5	280
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	10	12	22	45	72	86	92	80	58	28	14	10	528

2000 LCRAS Sheet AA, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ]-Limitrophe)

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ-Limitrophe Acreages (acres)												
Total Agricultural Acres	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275
Alfalfa-perennial	25.75	25.75	25.75	25.75	25.75	25.75	25.75	25.75	25.75	25.75	25.75	25.75
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	336.86	336.86	336.86	336.86	336.86	336.86	336.86	336.86	336.86	336.86	336.86	336.86
Small Grain	332.76	332.76	332.76	332.76	332.76	332.76	332.76	332.76	332.76	332.76	332.76	332.76
Field Grain	18.33	18.33	18.33	18.33	18.33	18.33	18.33	18.33	18.33	18.33	18.33	18.33
Lettuce-early	164.18	164.18	164.18	164.18	164.18	164.18	164.18	164.18	164.18	164.18	164.18	164.18
Lettuce-late	33.87	33.87	33.87	33.87	33.87	33.87	33.87	33.87	33.87	33.87	33.87	33.87
Melons-spring	10.42	10.42	10.42	10.42	10.42	10.42	10.42	10.42	10.42	10.42	10.42	10.42
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	106.19	106.19	106.19	106.19	106.19	106.19	106.19	106.19	106.19	106.19	106.19	106.19
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	246.48	246.48	246.48	246.48	246.48	246.48	246.48	246.48	246.48	246.48	246.48	246.48
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AA, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ]-Limitrophe)

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ-Limitrophe Acreages (acres)												
Total Phreatophyte Acres	1132	1132	1132	1132	1132	1132	1132	1132	1132	1132	1132	1132
Marsh	8.70	8.70	8.70	8.70	8.70	8.70	8.70	8.70	8.70	8.70	8.70	8.70
Barren	428.66	428.66	428.66	428.66	428.66	428.66	428.66	428.66	428.66	428.66	428.66	428.66
Sc-low	125.17	125.17	125.17	125.17	125.17	125.17	125.17	125.17	125.17	125.17	125.17	125.17
Sc-high	119.17	119.17	119.17	119.17	119.17	119.17	119.17	119.17	119.17	119.17	119.17	119.17
Sc/ms	75.31	75.31	75.31	75.31	75.31	75.31	75.31	75.31	75.31	75.31	75.31	75.31
Sc/aw	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19
Sc/ms/aw	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
Ms-low	54.88	54.88	54.88	54.88	54.88	54.88	54.88	54.88	54.88	54.88	54.88	54.88
Ms-high	33.98	33.98	33.98	33.98	33.98	33.98	33.98	33.98	33.98	33.98	33.98	33.98
Ms/aw	52.47	52.47	52.47	52.47	52.47	52.47	52.47	52.47	52.47	52.47	52.47	52.47
Aw	61.03	61.03	61.03	61.03	61.03	61.03	61.03	61.03	61.03	61.03	61.03	61.03
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	125.99	125.99	125.99	125.99	125.99	125.99	125.99	125.99	125.99	125.99	125.99	125.99

2000 LCRAS Sheet AA, Page 5 of 5 2000 TOTAL DIVERTER ET
Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the State of Arizona [AZ]-Limitrophe)
Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the State of Arizona [AZ]-DG from YMIDD [Downgradient of Yuma Mesa Irrigation & Drainage District])
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	862	1112	1446	1954	2617	2891	3110	2738	2054	1371	916	1042	22,113
On-District Open-Water Evap.													
State of AZ-DG from YMIDD	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of AZ-DG from YMIDD	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly ET values													
Alfalfa-perennial	501	721	902	1177	1592	1775	1923	1700	1272	940	543	671	13718
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	4	0	0	0	0	0	0	0	0	0	1	3	8
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	15	16	21	20	41	45	48	42	33	10	16	15	323
Citrus-young	45	47	68	95	110	115	122	107	91	47	45	44	937
Citrus-mature	100	107	153	212	246	257	273	239	203	116	101	100	2106
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	24	90	114	121	104	0	0	0	0	452
Legume/Solanum Veg	33	36	16	0	0	0	0	0	0	3	15	29	132
Crucifers	2	0	0	0	0	0	0	0	3	2	4	4	16
Dates	162	184	286	427	538	585	623	546	452	253	192	175	4421
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ]-DG from YMIDD [Downgradient of Yuma Mesa Irrigation & Drainage District])

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AB, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ]-DG from YMIDD [Downgradient of Yuma Mesa Irrigation & Drainage District])

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ-DG from YMIDD Acreages (acres)												
Total Agricultural Acres	4483	4483	4483	4483	4483	4483	4483	4483	4483	4483	4483	4483
Alfalfa-perennial	2494.60	2494.60	2494.60	2494.60	2494.60	2494.60	2494.60	2494.60	2494.60	2494.60	2494.60	2494.60
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	65.04	65.04	65.04	65.04	65.04	65.04	65.04	65.04	65.04	65.04	65.04	65.04
Citrus-young	410.75	410.75	410.75	410.75	410.75	410.75	410.75	410.75	410.75	410.75	410.75	410.75
Citrus-mature	551.15	551.15	551.15	551.15	551.15	551.15	551.15	551.15	551.15	551.15	551.15	551.15
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	124.80	124.80	124.80	124.80	124.80	124.80	124.80	124.80	124.80	124.80	124.80	124.80
Legume/Solanum Veg	119.12	119.12	119.12	119.12	119.12	119.12	119.12	119.12	119.12	119.12	119.12	119.12
Crucifers	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23
Dates	682.64	682.64	682.64	682.64	682.64	682.64	682.64	682.64	682.64	682.64	682.64	682.64
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AB, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the State of Arizona [AZ]-DG from YMIDD [Downgradient of Yuma Mesa Irrigation & Drainage District])

	January	February	March	April	May	June	July	August	September	October	November	December
State of AZ-DG from YMIDD Acreages (acres)												
Total Phreatophyte Acres	0	0	0	0	0	0	0	0	0	0	0	0
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AB, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the State of Arizona [AZ]-DG from YMIDD [Downgradient of Yuma Mesa Irrigation & Drainage District])

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table

2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the State of California [CA])
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	320	317	450	691	778	845	917	803	403	323	329	303	6,477
On-District Open-Water Evap.													
State of CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of CA	64	72	112	194	312	379	405	353	274	138	76	62	2440
Monthly ET values													
Alfalfa-perennial	86	124	155	202	274	305	330	292	219	161	93	115	2358
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	9	19	34	52	51	34	6	0	0	204
Small Grain	43	58	87	105	34	0	0	0	0	0	0	17	345
Field Grain	0	1	4	12	14	4	0	0	0	0	0	0	35
Lettuce-early	0	0	0	0	0	0	0	0	72	115	134	0	321
Lettuce-late	62	0	0	0	0	0	0	0	0	0	17	49	129
Melons-spring	0	5	15	28	32	0	0	0	0	0	0	0	79
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	17	34	38	41	35	28	1	0	0	194
Bermuda w/ rye	6	6	8	8	16	18	19	16	13	4	6	6	126
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	5	5	7	10	12	12	13	11	10	6	5	5	101
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	89	336	426	453	390	0	0	0	0	1695
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	13	0	0	0	0	0	0	0	21	17	31	32	114
Dates	2	2	4	6	7	8	8	7	6	3	3	2	59
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	103	114	169	206	0	0	0	0	0	9	40	77	719
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table
(Sheet to calculate ET for the State of California [CA])

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	1	1	5	10	12	13	14	12	10	3	1	1	81
Barren	33	36	43	40	47	50	54	47	39	25	26	32	472
Sc-low	3	4	6	13	33	46	49	43	35	17	7	3	260
Sc-high	3	4	11	26	43	49	52	45	29	12	4	3	281
Sc/ms	2	2	4	9	16	19	21	18	13	6	3	2	114
Sc/aw	2	3	5	12	21	25	27	23	18	8	4	2	150
Sc/ms/aw	2	2	4	10	17	21	22	20	16	7	3	2	126
Ms-low	7	8	12	23	38	50	55	48	40	22	10	6	319
Ms-high	4	5	8	18	31	39	42	37	30	16	8	4	242
Ms/aw	2	2	4	8	13	17	18	16	13	6	3	2	102
Aw	4	4	8	17	28	33	36	31	21	9	4	3	198
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	2	2	4	8	13	16	17	15	11	5	3	2	96

2000 LCRAS Sheet AC, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the State of California [CA])

	January	February	March	April	May	June	July	August	September	October	November	December
State of CA												
Acreages (acres)												
Total Agricultural Acres	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611
Alfalfa-perennial	428.72	428.72	428.72	428.72	428.72	428.72	428.72	428.72	428.72	428.72	428.72	428.72
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	60.39	60.39	60.39	60.39	60.39	60.39	60.39	60.39	60.39	60.39	60.39	60.39
Small Grain	174.64	174.64	174.64	174.64	174.64	174.64	174.64	174.64	174.64	174.64	174.64	174.64
Field Grain	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96
Lettuce-early	522.66	522.66	522.66	522.66	522.66	522.66	522.66	522.66	522.66	522.66	522.66	522.66
Lettuce-late	263.35	263.35	263.35	263.35	263.35	263.35	263.35	263.35	263.35	263.35	263.35	263.35
Melons-spring	43.72	43.72	43.72	43.72	43.72	43.72	43.72	43.72	43.72	43.72	43.72	43.72
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	54.71	54.71	54.71	54.71	54.71	54.71	54.71	54.71	54.71	54.71	54.71	54.71
Bermuda w/ rye	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30	25.30
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	26.45	26.45	26.45	26.45	26.45	26.45	26.45	26.45	26.45	26.45	26.45	26.45
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	467.78	467.78	467.78	467.78	467.78	467.78	467.78	467.78	467.78	467.78	467.78	467.78
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	125.32	125.32	125.32	125.32	125.32	125.32	125.32	125.32	125.32	125.32	125.32	125.32
Dates	9.17	9.17	9.17	9.17	9.17	9.17	9.17	9.17	9.17	9.17	9.17	9.17
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	392.78	392.78	392.78	392.78	392.78	392.78	392.78	392.78	392.78	392.78	392.78	392.78
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AC, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the State of California [CA])

	January	February	March	April	May	June	July	August	September	October	November	December
State of CA												
Acreages (acres)												
Total Phreatophyte Acres	652	652	652	652	652	652	652	652	652	652	652	652
Marsh	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54
Barren	226.19	226.19	226.19	226.19	226.19	226.19	226.19	226.19	226.19	226.19	226.19	226.19
Sc-low	62.27	62.27	62.27	62.27	62.27	62.27	62.27	62.27	62.27	62.27	62.27	62.27
Sc-high	56.18	56.18	56.18	56.18	56.18	56.18	56.18	56.18	56.18	56.18	56.18	56.18
Sc/ms	21.29	21.29	21.29	21.29	21.29	21.29	21.29	21.29	21.29	21.29	21.29	21.29
Sc/aw	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96
Sc/ms/aw	24.05	24.05	24.05	24.05	24.05	24.05	24.05	24.05	24.05	24.05	24.05	24.05
Ms-low	82.06	82.06	82.06	82.06	82.06	82.06	82.06	82.06	82.06	82.06	82.06	82.06
Ms-high	49.52	49.52	49.52	49.52	49.52	49.52	49.52	49.52	49.52	49.52	49.52	49.52
Ms/aw	21.87	21.87	21.87	21.87	21.87	21.87	21.87	21.87	21.87	21.87	21.87	21.87
Aw	42.99	42.99	42.99	42.99	42.99	42.99	42.99	42.99	42.99	42.99	42.99	42.99
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	22.98	22.98	22.98	22.98	22.98	22.98	22.98	22.98	22.98	22.98	22.98	22.98

2000 LCRAS Sheet AC, Page 5 of 5 2000 TOTAL DIVERTER ET
Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the State of California [CA])
Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Unit "B" Irrigation and Drainage District [IDD], AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	310	349	484	722	975	1019	1067	932	621	415	315	343	7,550
On-District Open-Water Evap.													
Unit "B" IDD, AZ	2	3	4	5	8	9	10	8	6	3	2	2	60
Total Phreatophyte ET													
Unit "B" IDD, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly ET values													
Alfalfa-perennial	131	188	235	307	415	463	501	443	332	245	141	175	3576
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	1	1	2	4	4	2	0	0	0	15
Small Grain	12	17	25	30	10	0	0	0	0	0	0	5	99
Field Grain	0	1	6	16	20	5	0	0	0	0	0	0	49
Lettuce-early	0	0	0	0	0	0	0	0	17	26	31	0	73
Lettuce-late	38	0	0	0	0	0	0	0	0	0	11	31	80
Melons-spring	0	6	17	32	36	0	0	0	0	0	0	0	90
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	11	23	26	27	24	19	1	0	0	132
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	16	17	24	34	40	41	44	38	33	17	16	16	336
Citrus-mature	82	87	125	173	201	209	223	195	165	94	82	81	1715
Citrus-declining	4	4	6	8	9	9	10	9	7	4	4	4	77
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	39	147	187	199	171	0	0	0	0	743
Legume/Solanum Veg	2	2	1	0	0	0	0	0	0	0	1	2	7
Crucifers	4	0	0	0	0	0	0	0	7	5	10	10	36
Dates	11	12	19	29	36	39	42	36	30	17	13	12	296
Safflower	0	3	9	20	25	24	3	0	0	0	0	0	83
Orchards	1	1	2	3	4	5	5	4	4	2	1	1	32
Small Vegetables	8	9	13	15	0	0	0	0	0	1	3	6	54
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Unit "B" Irrigation and Drainage District [IDD], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Unit "B" Irrigation and Drainage District [IDD], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Unit "B" IDD, AZ												
Acreages (acres)												
Total Agricultural Acres	2080	2080	2080	2080	2080	2080	2080	2080	2080	2080	2080	2080
Alfalfa-perennial	650.23	650.23	650.23	650.23	650.23	650.23	650.23	650.23	650.23	650.23	650.23	650.23
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35
Small Grain	49.97	49.97	49.97	49.97	49.97	49.97	49.97	49.97	49.97	49.97	49.97	49.97
Field Grain	22.07	22.07	22.07	22.07	22.07	22.07	22.07	22.07	22.07	22.07	22.07	22.07
Lettuce-early	119.31	119.31	119.31	119.31	119.31	119.31	119.31	119.31	119.31	119.31	119.31	119.31
Lettuce-late	162.88	162.88	162.88	162.88	162.88	162.88	162.88	162.88	162.88	162.88	162.88	162.88
Melons-spring	49.68	49.68	49.68	49.68	49.68	49.68	49.68	49.68	49.68	49.68	49.68	49.68
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	37.09	37.09	37.09	37.09	37.09	37.09	37.09	37.09	37.09	37.09	37.09	37.09
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	147.42	147.42	147.42	147.42	147.42	147.42	147.42	147.42	147.42	147.42	147.42	147.42
Citrus-mature	448.93	448.93	448.93	448.93	448.93	448.93	448.93	448.93	448.93	448.93	448.93	448.93
Citrus-declining	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	205.04	205.04	205.04	205.04	205.04	205.04	205.04	205.04	205.04	205.04	205.04	205.04
Legume/Solanum Veg	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
Crucifers	39.16	39.16	39.16	39.16	39.16	39.16	39.16	39.16	39.16	39.16	39.16	39.16
Dates	45.66	45.66	45.66	45.66	45.66	45.66	45.66	45.66	45.66	45.66	45.66	45.66
Safflower	26.26	26.26	26.26	26.26	26.26	26.26	26.26	26.26	26.26	26.26	26.26	26.26
Orchards	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57
Small Vegetables(1)	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

(1) - includes 2.4 acres of crop identified as salsify

2000 LCRAS Sheet AD, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Unit "B" Irrigation and Drainage District [IDD], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Unit "B" IDD, AZ												
Acreages (acres)												
Total Phreatophyte Acres	0	0	0	0	0	0	0	0	0	0	0	0
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AD, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Unit "B" Irrigation and Drainage District [IDD], AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the University of Arizona Agricultural Test Station, AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	11	11	15	23	34	38	41	35	21	13	13	12	267
On-District Open-Water Evap.													
University AZ Ag Station, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
University AZ Ag Station, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly ET values													
Alfalfa-perennial	1	1	2	2	3	3	3	3	2	2	1	1	24
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	1
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	1	1	2	0	4
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	1
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	3	3	5	7	8	8	8	7	6	3	3	3	65
Citrus-mature	5	5	8	11	12	13	14	12	10	6	5	5	107
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	3	11	14	15	13	0	0	0	0	56
Legume/Solanum Veg	1	1	0	0	0	0	0	0	0	0	0	1	4
Crucifers	1	0	0	0	0	0	0	0	1	1	2	2	6
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the University of Arizona Agricultural Test Station, AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AE, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the University of Arizona Agricultural Test Station, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
University AZ Ag Station, AZ												
Acreages (acres)												
Total Agricultural Acres	94	94	94	94	94	94	94	94	94	94	94	94
Alfalfa-perennial	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87
Lettuce-late	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29
Citrus-mature	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	15.44	15.44	15.44	15.44	15.44	15.44	15.44	15.44	15.44	15.44	15.44	15.44
Legume/Solanum Veg	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41
Crucifers	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AE, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the University of Arizona Agricultural Test Station, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
University AZ Ag Station, AZ												
Acreages (acres)												
Total Phreatophyte Acres	0	0	0	0	0	0	0	0	0	0	0	0
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AE, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the University of Arizona Agricultural Test Station, AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the West Cocopah Indian Reservation [IR], AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	272	332	483	705	700	626	679	595	311	208	172	213	5,297
On-District Open-Water Evap.													
West Cocopah IR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
West Cocopah IR, AZ	124	139	229	452	788	978	1043	910	697	339	169	118	5985
Monthly ET values													
Alfalfa-perennial	74	106	133	173	234	261	283	250	187	138	80	99	2020
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	7	14	26	40	39	26	4	0	0	157
Small Grain	158	214	321	387	124	0	0	0	0	0	0	62	1266
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	30	48	55	0	133
Lettuce-late	27	0	0	0	0	0	0	0	0	0	7	21	55
Melons-spring	0	8	24	46	52	0	0	0	0	0	0	0	130
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	28	59	65	69	60	48	2	0	0	332
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	56	212	269	286	246	0	0	0	0	1069
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	12	0	0	0	0	0	0	0	19	15	29	29	104
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	2	3	4	4	0	0	0	0	0	0	14
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	2	3	4	5	0	0	0	0	0	0	1	2	17
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the West Cocopah Indian Reservation [IR], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	1	2	3	3	3	3	2	1	0	0	19
Barren	38	42	50	46	54	58	62	54	45	29	30	37	547
Sc-low	15	17	25	58	144	202	215	189	155	74	32	15	1139
Sc-high	7	8	23	56	96	109	116	99	64	27	10	6	622
Sc/ms	13	15	28	68	119	146	155	136	97	44	20	12	853
Sc/aw	10	11	20	49	85	104	110	97	74	34	15	9	618
Sc/ms/aw	4	4	7	17	30	37	40	35	28	13	6	3	224
Ms-low	11	12	19	38	63	82	89	78	65	36	17	10	519
Ms-high	6	7	13	28	48	61	65	57	47	24	12	6	373
Ms/aw	3	4	7	14	24	31	33	29	23	11	5	3	187
Aw	5	6	12	26	43	51	55	47	32	15	7	5	303
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	11	13	24	49	79	95	101	88	64	31	15	11	581

2000 LCRAS Sheet AF, Page 3 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the West Cocopah Indian Reservation [IR], AZ)

West Cocopah IR, AZ

Acreages (acres)

	January	February	March	April	May	June	July	August	September	October	November	December
Total Agricultural Acres	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974
Alfalfa-perennial	367.31	367.31	367.31	367.31	367.31	367.31	367.31	367.31	367.31	367.31	367.31	367.31
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	46.48	46.48	46.48	46.48	46.48	46.48	46.48	46.48	46.48	46.48	46.48	46.48
Small Grain	641.11	641.11	641.11	641.11	641.11	641.11	641.11	641.11	641.11	641.11	641.11	641.11
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	216.19	216.19	216.19	216.19	216.19	216.19	216.19	216.19	216.19	216.19	216.19	216.19
Lettuce-late	113.53	113.53	113.53	113.53	113.53	113.53	113.53	113.53	113.53	113.53	113.53	113.53
Melons-spring	71.71	71.71	71.71	71.71	71.71	71.71	71.71	71.71	71.71	71.71	71.71	71.71
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	93.55	93.55	93.55	93.55	93.55	93.55	93.55	93.55	93.55	93.55	93.55	93.55
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	295.23	295.23	295.23	295.23	295.23	295.23	295.23	295.23	295.23	295.23	295.23	295.23
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	114.91	114.91	114.91	114.91	114.91	114.91	114.91	114.91	114.91	114.91	114.91	114.91
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	9.03	9.03	9.03	9.03	9.03	9.03	9.03	9.03	9.03	9.03	9.03	9.03
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AF, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the West Cocopah Indian Reservation [IR], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
West Cocopah IR, AZ												
Acreages (acres)												
Total Phreatophyte Acres	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439
Marsh	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
Barren	262.18	262.18	262.18	262.18	262.18	262.18	262.18	262.18	262.18	262.18	262.18	262.18
Sc-low	273.34	273.34	273.34	273.34	273.34	273.34	273.34	273.34	273.34	273.34	273.34	273.34
Sc-high	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36	124.36
Sc/ms	159.09	159.09	159.09	159.09	159.09	159.09	159.09	159.09	159.09	159.09	159.09	159.09
Sc/aw	119.02	119.02	119.02	119.02	119.02	119.02	119.02	119.02	119.02	119.02	119.02	119.02
Sc/ms/aw	42.63	42.63	42.63	42.63	42.63	42.63	42.63	42.63	42.63	42.63	42.63	42.63
Ms-low	133.70	133.70	133.70	133.70	133.70	133.70	133.70	133.70	133.70	133.70	133.70	133.70
Ms-high	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50
Ms/aw	40.15	40.15	40.15	40.15	40.15	40.15	40.15	40.15	40.15	40.15	40.15	40.15
Aw	65.95	65.95	65.95	65.95	65.95	65.95	65.95	65.95	65.95	65.95	65.95	65.95
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	138.60	138.60	138.60	138.60	138.60	138.60	138.60	138.60	138.60	138.60	138.60	138.60

2000 LCRAS Sheet AF, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the West Cocopah Indian Reservation [IR], AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Yuma Irrigation District, AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	1900	1778	2538	3957	3853	2942	2975	2673	2090	1657	2020	1421	29,805
On-District Open-Water Evap.													
Yuma Irrg. Dist., AZ	9	12	15	22	31	36	40	31	25	11	9	7	249
Total Phreatophyte ET													
Yuma Irrg. Dist., AZ	9	10	15	26	40	47	50	44	32	16	9	8	306
Monthly ET values													
Alfalfa-perennial	86	124	155	202	273	304	330	291	218	161	93	115	2351
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	215	465	855	1300	1263	844	144	0	0	5085
Small Grain	775	1054	1579	1903	610	0	0	0	0	0	0	305	6225
Field Grain	0	49	238	614	769	200	0	0	0	0	0	0	1869
Lettuce-early	0	0	0	0	0	0	0	0	747	1188	1382	0	3318
Lettuce-late	545	0	0	0	0	0	0	0	0	0	153	435	1132
Melons-spring	0	59	167	321	364	0	0	0	0	0	0	0	911
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	66	138	153	163	140	113	5	0	0	778
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	2	2	3	4	5	5	5	4	4	2	2	2	39
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	1	2	5	5	2	0	0	0	0	0	0	15
Sudan	0	0	0	215	812	1029	1095	943	0	0	0	0	4094
Legume/Solanum Veg	351	385	170	0	0	0	0	0	0	31	159	313	1408
Crucifers	86	0	0	0	0	0	0	0	139	110	206	211	751
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	43	133	298	381	358	43	0	0	0	0	0	1258
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	46	51	76	92	0	0	0	0	0	4	18	34	322
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table
(Sheet to calculate ET for the Yuma Irrigation District, AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	5	5	6	6	7	8	8	7	6	4	4	5	70
Sc-low	0	0	0	1	2	2	2	2	2	1	0	0	13
Sc-high	1	1	3	7	12	14	15	13	8	3	1	1	80
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	2
Sc/aw	0	0	1	2	4	4	5	4	3	1	1	0	26
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	1	1	1	1	1	0	0	0	6
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	1
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	2	2	4	9	15	18	19	17	12	6	3	2	109

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table
(Sheet to calculate ET for the Yuma Irrigation District, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Yuma Irrg. Dist., AZ Acreages (acres)												
Total Agricultural Acres	18201	18201	18201	18201	18201	18201	18201	18201	18201	18201	18201	18201
Alfalfa-perennial	427.51	427.51	427.51	427.51	427.51	427.51	427.51	427.51	427.51	427.51	427.51	427.51
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	1506.81	1506.81	1506.81	1506.81	1506.81	1506.81	1506.81	1506.81	1506.81	1506.81	1506.81	1506.81
Small Grain	3153.47	3153.47	3153.47	3153.47	3153.47	3153.47	3153.47	3153.47	3153.47	3153.47	3153.47	3153.47
Field Grain	846.48	846.48	846.48	846.48	846.48	846.48	846.48	846.48	846.48	846.48	846.48	846.48
Lettuce-early	5401.82	5401.82	5401.82	5401.82	5401.82	5401.82	5401.82	5401.82	5401.82	5401.82	5401.82	5401.82
Lettuce-late	2317.63	2317.63	2317.63	2317.63	2317.63	2317.63	2317.63	2317.63	2317.63	2317.63	2317.63	2317.63
Melons-spring	502.34	502.34	502.34	502.34	502.34	502.34	502.34	502.34	502.34	502.34	502.34	502.34
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	219.48	219.48	219.48	219.48	219.48	219.48	219.48	219.48	219.48	219.48	219.48	219.48
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	17.24	17.24	17.24	17.24	17.24	17.24	17.24	17.24	17.24	17.24	17.24	17.24
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	6.32	6.32	6.32	6.32	6.32	6.32	6.32	6.32	6.32	6.32	6.32	6.32
Sudan	1130.10	1130.10	1130.10	1130.10	1130.10	1130.10	1130.10	1130.10	1130.10	1130.10	1130.10	1130.10
Legume/Solanum Veg	1268.51	1268.51	1268.51	1268.51	1268.51	1268.51	1268.51	1268.51	1268.51	1268.51	1268.51	1268.51
Crucifers(1)	828.22	828.22	828.22	828.22	828.22	828.22	828.22	828.22	828.22	828.22	828.22	828.22
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	399.12	399.12	399.12	399.12	399.12	399.12	399.12	399.12	399.12	399.12	399.12	399.12
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	175.73	175.73	175.73	175.73	175.73	175.73	175.73	175.73	175.73	175.73	175.73	175.73
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

(1) - includes 20.77 acres of crop identified as sunflowers

2000 LCRAS Sheet AG, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Yuma Irrigation District, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Yuma Irrg. Dist., AZ												
Acreages (acres)												
Total Phreatophyte Acres	86	86	86	86	86	86	86	86	86	86	86	86
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	33.74	33.74	33.74	33.74	33.74	33.74	33.74	33.74	33.74	33.74	33.74	33.74
Sc-low	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07
Sc-high	15.91	15.91	15.91	15.91	15.91	15.91	15.91	15.91	15.91	15.91	15.91	15.91
Sc/ms	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Sc/aw	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01

2000 LCRAS Sheet AG, Page 5 of 5 2000 TOTAL DIVERTER ET
Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Yuma Irrigation District, AZ)
Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Yuma Mesa Irrigation and Drainage District [IDD], AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	3111	3595	4667	6346	8186	8826	9442	8280	6132	3977	3062	3417	69,041
On-District Open-Water Evap.													
Yuma Mesa IDD, AZ	23	29	38	56	79	89	100	78	63	29	22	18	622
Total Phreatophyte ET													
Yuma Mesa IDD, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly ET values													
Alfalfa-perennial	1070	1541	1927	2513	3401	3792	4107	3632	2717	2007	1159	1434	29300
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	1	2	3	4	4	3	0	0	0	17
Small Grain	52	70	105	127	41	0	0	0	0	0	0	20	415
Field Grain	0	3	15	39	49	13	0	0	0	0	0	0	118
Lettuce-early	0	0	0	0	0	0	0	0	40	64	74	0	178
Lettuce-late	119	0	0	0	0	0	0	0	0	0	33	95	247
Melons-spring	0	3	9	18	20	0	0	0	0	0	0	0	50
Melons-fall	0	0	0	0	0	0	0	0	1	1	1	1	4
Bermuda	0	0	0	3	5	6	6	5	4	0	0	0	30
Bermuda w/ rye	13	14	18	17	36	40	42	36	29	9	14	13	282
Citrus-young	254	267	384	537	624	651	692	607	514	267	256	252	5305
Citrus-mature	1256	1337	1918	2662	3088	3220	3428	3002	2541	1452	1262	1250	26414
Citrus-declining	79	84	120	167	194	202	216	189	160	86	80	79	1656
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	159	602	764	813	699	0	0	0	0	3037
Legume/Solanum Veg	208	229	101	0	0	0	0	0	0	18	94	186	836
Crucifers	23	0	0	0	0	0	0	0	37	29	55	56	199
Dates	6	7	11	16	21	22	24	21	17	10	7	7	170
Safflower	0	2	6	14	18	16	2	0	0	0	0	0	58
Orchards	1	1	3	5	7	8	8	7	6	3	3	2	54
Small Vegetables	7	8	11	14	0	0	0	0	0	1	3	5	47
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Yuma Mesa Irrigation and Drainage District [IDD], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Yuma Mesa Irrigation and Drainage District [IDD], AZ)

Yuma Mesa IDD, AZ

Acreages (acres)

	January	February	March	April	May	June	July	August	September	October	November	December
Total Agricultural Acres	18243	18243	18243	18243	18243	18243	18243	18243	18243	18243	18243	18243
Alfalfa-perennial	5328.04	5328.04	5328.04	5328.04	5328.04	5328.04	5328.04	5328.04	5328.04	5328.04	5328.04	5328.04
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	5.12	5.12	5.12	5.12	5.12	5.12	5.12	5.12	5.12	5.12	5.12	5.12
Small Grain	210.03	210.03	210.03	210.03	210.03	210.03	210.03	210.03	210.03	210.03	210.03	210.03
Field Grain	53.65	53.65	53.65	53.65	53.65	53.65	53.65	53.65	53.65	53.65	53.65	53.65
Lettuce-early	290.49	290.49	290.49	290.49	290.49	290.49	290.49	290.49	290.49	290.49	290.49	290.49
Lettuce-late	505.28	505.28	505.28	505.28	505.28	505.28	505.28	505.28	505.28	505.28	505.28	505.28
Melons-spring	27.82	27.82	27.82	27.82	27.82	27.82	27.82	27.82	27.82	27.82	27.82	27.82
Melons-fall	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20
Bermuda	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
Bermuda w/ rye	56.71	56.71	56.71	56.71	56.71	56.71	56.71	56.71	56.71	56.71	56.71	56.71
Citrus-young	2325.88	2325.88	2325.88	2325.88	2325.88	2325.88	2325.88	2325.88	2325.88	2325.88	2325.88	2325.88
Citrus-mature	6913.27	6913.27	6913.27	6913.27	6913.27	6913.27	6913.27	6913.27	6913.27	6913.27	6913.27	6913.27
Citrus-declining	621.39	621.39	621.39	621.39	621.39	621.39	621.39	621.39	621.39	621.39	621.39	621.39
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	838.39	838.39	838.39	838.39	838.39	838.39	838.39	838.39	838.39	838.39	838.39	838.39
Legume/Solanum Veg	753.38	753.38	753.38	753.38	753.38	753.38	753.38	753.38	753.38	753.38	753.38	753.38
Crucifers	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59
Dates	26.23	26.23	26.23	26.23	26.23	26.23	26.23	26.23	26.23	26.23	26.23	26.23
Safflower	18.35	18.35	18.35	18.35	18.35	18.35	18.35	18.35	18.35	18.35	18.35	18.35
Orchards	11.23	11.23	11.23	11.23	11.23	11.23	11.23	11.23	11.23	11.23	11.23	11.23
Small Vegetables	25.85	25.85	25.85	25.85	25.85	25.85	25.85	25.85	25.85	25.85	25.85	25.85
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AH, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Yuma Mesa Irrigation and Drainage District [IDD], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Yuma Mesa IDD, AZ												
Acreages (acres)												
Total Phreatophyte Acres	0	0	0	0	0	0	0	0	0	0	0	0
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AH, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Yuma Mesa Irrigation and Drainage District [IDD], AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	0	0	0	0	0	0	0	0	0	0
On-District Open-Water Evap.													
YPG, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
YPG, AZ	6	7	13	29	50	62	66	57	43	20	9	6	368
Monthly ET values													
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	1	2	2	2	2	1	0	0	0	10
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	2	2	4	9	15	18	19	17	13	6	3	2	109
Sc/ms/aw	1	1	3	7	11	14	15	13	11	5	2	1	84
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	1	1	2	5	8	11	11	10	8	4	2	1	65
Aw	2	2	4	8	14	17	18	16	10	5	2	2	100
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
YPG, AZ												
Acreages (acres)												
Total Agricultural Acres	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-perennial	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	0	0	0	0	0	0	0	0	0	0	0	0
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
YPG, AZ												
Acreages (acres)												
Total Phreatophyte Acres	75	75	75	75	75	75	75	75	75	75	75	75
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	0	0	0	0	0	0	0	0	0	0	0
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01
Sc/ms/aw	16.04	16.04	16.04	16.04	16.04	16.04	16.04	16.04	16.04	16.04	16.04	16.04
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	13.89	13.89	13.89	13.89	13.89	13.89	13.89	13.89	13.89	13.89	13.89	13.89
Aw	21.72	21.72	21.72	21.72	21.72	21.72	21.72	21.72	21.72	21.72	21.72	21.72
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AI, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], CA)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	2	1	2	2	3	3	3	3	4	3	3	3	30
On-District Open-Water Evap.													
YPG, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
YPG, CA	136	153	325	705	1187	1402	1493	1293	918	414	185	129	8341
Monthly ET values													
Alfalfa-perennial	1	1	2	2	3	3	3	3	2	2	1	1	23
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	1	0	0	0	0	0	0	0	1	1	2	2	8
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], CA)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	3	4	19	39	48	51	54	48	39	13	4	3	326
Barren	31	35	41	38	45	48	51	45	37	24	25	30	449
Sc-low	8	9	14	33	81	114	122	106	87	42	18	8	643
Sc-high	43	49	148	357	606	688	732	628	408	171	62	40	3932
Sc/ms	20	23	42	103	182	223	237	207	149	68	31	19	1304
Sc/aw	6	6	12	28	50	60	64	56	43	20	9	5	360
Sc/ms/aw	2	3	5	12	21	25	27	23	19	9	4	2	152
Ms-low	4	5	8	15	25	33	36	32	26	15	7	4	210
Ms-high	4	5	9	20	34	43	46	40	33	17	8	4	263
Ms/aw	1	1	3	6	9	12	13	11	9	4	2	1	74
Aw	5	6	11	25	42	50	53	46	31	14	6	5	295
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	7	7	14	28	45	54	58	50	37	18	9	6	332

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
YPG, CA												
Acreages (acres)												
Total Agricultural Acres	13	13	13	13	13	13	13	13	13	13	13	13
Alfalfa-perennial	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	0	0	0	0	0	0	0	0	0	0	0	0
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-declining	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	0	0	0	0	0	0	0	0	0
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
Dates	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
Grapes	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AJ, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], CA)

	January	February	March	April	May	June	July	August	September	October	November	December
YPG, CA												
Acreages (acres)												
Total Phreatophyte Acres	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820
Marsh	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44	54.44
Barren	215.27	215.27	215.27	215.27	215.27	215.27	215.27	215.27	215.27	215.27	215.27	215.27
Sc-low	154.24	154.24	154.24	154.24	154.24	154.24	154.24	154.24	154.24	154.24	154.24	154.24
Sc-high	786.38	786.38	786.38	786.38	786.38	786.38	786.38	786.38	786.38	786.38	786.38	786.38
Sc/ms	243.33	243.33	243.33	243.33	243.33	243.33	243.33	243.33	243.33	243.33	243.33	243.33
Sc/aw	69.41	69.41	69.41	69.41	69.41	69.41	69.41	69.41	69.41	69.41	69.41	69.41
Sc/ms/aw	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95
Ms-low	54.11	54.11	54.11	54.11	54.11	54.11	54.11	54.11	54.11	54.11	54.11	54.11
Ms-high	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98
Ms/aw	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84	15.84
Aw	64.30	64.30	64.30	64.30	64.30	64.30	64.30	64.30	64.30	64.30	64.30	64.30
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	79.30	79.30	79.30	79.30	79.30	79.30	79.30	79.30	79.30	79.30	79.30	79.30

2000 LCRAS Sheet AJ, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Department of the Army's Yuma Proving Ground [YPG], CA)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30

Imperial Dam to Mexico Water Balance Table 2000 TOTAL DIVERTER ET

(Sheet to calculate ET for the Yuma County Water Users' Association (Yuma County WUA, AZ)
(Based on average ETo values from 3 Yuma Area AZMET stations, and average precipitation from Yuma Area AZMET and NWS stations)
(ET's for each crop/phreatophyte are calculated in filename Ymarea00.wk4)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	8283	8251	12997	19227	15725	10661	11463	10208	7502	6439	8180	6211	125,147
On-District Open-Water Evap.													
Yuma County WUA, AZ	58	74	98	143	202	228	257	200	161	73	57	46	1597
Total Phreatophyte ET													
Yuma County WUA, AZ	1	1	1	2	2	2	2	2	2	1	1	1	18
Monthly ET values													
Alfalfa-perennial	90	129	161	210	285	317	344	304	227	168	97	120	2451
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	585	1266	2330	3542	3443	2300	394	0	0	13860
Small Grain	4957	6738	10099	12166	3898	0	0	0	0	0	0	1949	39807
Field Grain	0	115	560	1446	1812	470	0	0	0	0	0	0	4403
Lettuce-early	0	0	0	0	0	0	0	0	2680	4263	4957	0	11900
Lettuce-late	1571	0	0	0	0	0	0	0	0	0	440	1254	3265
Melons-spring	0	357	1017	1958	2216	0	0	0	0	0	0	0	5548
Melons-fall	0	0	0	0	0	0	0	0	31	34	31	25	121
Bermuda	0	0	0	48	99	110	117	101	81	4	0	0	558
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	29	31	44	61	71	74	79	69	59	31	29	29	606
Citrus-mature	178	189	272	377	437	456	486	425	360	206	179	177	3741
Citrus-declining	28	30	43	60	69	72	77	67	57	31	28	28	591
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	1245	4707	5968	6350	5466	0	0	0	0	23735
Legume/Solanum Veg	236	259	115	0	0	0	0	0	0	21	107	211	948
Crucifers	892	0	0	0	0	0	0	0	1434	1134	2126	2176	7762
Dates	29	33	51	77	96	105	112	98	81	45	34	31	793
Safflower	0	59	183	409	522	491	59	0	0	0	0	0	1722
Orchards	6	6	13	25	36	39	41	36	30	16	13	9	268
Small Vegetables	203	225	333	405	0	0	0	0	0	19	79	151	1414
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	6	6	9	13	9	0	0	0	1	2	3	5	54
Grapes	0	0	0	0	0	0	0	0	0	0	0	0	1

2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Yuma County Water Users' Association (Yuma County WUA, AZ)

(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	1	1	1	1	1	1	1	1	1	1	1	1	11
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	1	1	1	1	1	1	0	0	0	7
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0	0

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Yuma County Water Users' Association (Yuma County WUA, AZ)

Yuma County WUA, AZ

Acreages (acres)

	January	February	March	April	May	June	July	August	September	October	November	December
Total Agricultural Acres	75054	75054	75054	75054	75054	75054	75054	75054	75054	75054	75054	75054
Alfalfa-perennial	445.70	445.70	445.70	445.70	445.70	445.70	445.70	445.70	445.70	445.70	445.70	445.70
Alfalfa-annual	0	0	0	0	0	0	0	0	0	0	0	0
Alfalfa-seed	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	4106.59	4106.59	4106.59	4106.59	4106.59	4106.59	4106.59	4106.59	4106.59	4106.59	4106.59	4106.59
Small Grain	20164.00	20164.00	20164.00	20164.00	20164.00	20164.00	20164.00	20164.00	20164.00	20164.00	20164.00	20164.00
Field Grain	1994.43	1994.43	1994.43	1994.43	1994.43	1994.43	1994.43	1994.43	1994.43	1994.43	1994.43	1994.43
Lettuce-early	19375.60	19375.60	19375.60	19375.60	19375.60	19375.60	19375.60	19375.60	19375.60	19375.60	19375.60	19375.60
Lettuce-late	6686.25	6686.25	6686.25	6686.25	6686.25	6686.25	6686.25	6686.25	6686.25	6686.25	6686.25	6686.25
Melons-spring	3059.54	3059.54	3059.54	3059.54	3059.54	3059.54	3059.54	3059.54	3059.54	3059.54	3059.54	3059.54
Melons-fall	112.76	112.76	112.76	112.76	112.76	112.76	112.76	112.76	112.76	112.76	112.76	112.76
Bermuda	157.50	157.50	157.50	157.50	157.50	157.50	157.50	157.50	157.50	157.50	157.50	157.50
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	265.50	265.50	265.50	265.50	265.50	265.50	265.50	265.50	265.50	265.50	265.50	265.50
Citrus-mature	979.17	979.17	979.17	979.17	979.17	979.17	979.17	979.17	979.17	979.17	979.17	979.17
Citrus-declining	221.86	221.86	221.86	221.86	221.86	221.86	221.86	221.86	221.86	221.86	221.86	221.86
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	6552.10	6552.10	6552.10	6552.10	6552.10	6552.10	6552.10	6552.10	6552.10	6552.10	6552.10	6552.10
Legume/Solanum Veg	854.40	854.40	854.40	854.40	854.40	854.40	854.40	854.40	854.40	854.40	854.40	854.40
Crucifers	8561.18	8561.18	8561.18	8561.18	8561.18	8561.18	8561.18	8561.18	8561.18	8561.18	8561.18	8561.18
Dates	122.48	122.48	122.48	122.48	122.48	122.48	122.48	122.48	122.48	122.48	122.48	122.48
Safflower	546.57	546.57	546.57	546.57	546.57	546.57	546.57	546.57	546.57	546.57	546.57	546.57
Orchards	55.53	55.53	55.53	55.53	55.53	55.53	55.53	55.53	55.53	55.53	55.53	55.53
Small Vegetables(1)	772.61	772.61	772.61	772.61	772.61	772.61	772.61	772.61	772.61	772.61	772.61	772.61
Root Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Perennial Vegetables	0	0	0	0	0	0	0	0	0	0	0	0
Sugar Beets	19.67	19.67	19.67	19.67	19.67	19.67	19.67	19.67	19.67	19.67	19.67	19.67
Grapes	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44

(1) - includes 189.48 acres of crop identified as annis

2000 LCRAS Sheet AK, Page 4 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table

(Sheet to calculate ET for the Yuma County Water Users' Association (Yuma County WUA, AZ)

	January	February	March	April	May	June	July	August	September	October	November	December
Yuma County WUA, AZ												
Acreages (acres)												
Total Phreatophyte Acres	6	6	6	6	6	6	6	6	6	6	6	6
Marsh	0	0	0	0	0	0	0	0	0	0	0	0
Barren	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Ms-low	0	0	0	0	0	0	0	0	0	0	0	0
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	0	0	0	0	0	0	0	0	0	0
Aw	0	0	0	0	0	0	0	0	0	0	0	0
Cw	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	0	0	0	0	0	0	0	0	0	0	0	0

2000 LCRAS Sheet AK, Page 5 of 5 2000 TOTAL DIVERTER ET

Imperial Dam to Mexico Water Balance Table (Sheet to calculate ET for the Yuma County Water Users' Association (Yuma County WUA, AZ)

Monthly ET values (inches) (From Ymarea00.wk4)

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	2.41	3.47	4.34	5.66	7.66	8.54	9.25	8.18	6.12	4.52	2.61	3.23	65.99
Alfalfa-annual	1.14	2.09	2.91	2.68	5.46	5.92	3.73	5.40	5.27	4.15	2.41	2.98	44.14
Alfalfa-seed	1.75	3.50	3.65	6.07	9.31	5.71	10.74	0.00	0.00	0.00	0.00	1.27	42.00
Cotton	0.00	0.00	0.00	1.71	3.70	6.81	10.35	10.06	6.72	1.15	0.00	0.00	40.50
Small Grain	2.95	4.01	6.01	7.24	2.32	0.00	0.00	0.00	0.00	0.00	0.00	1.16	23.69
Field Grain	0.00	0.69	3.37	8.70	10.90	2.83	0.00	0.00	0.00	0.00	0.00	0.00	26.49
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	2.64	3.07	0.00	7.37
Lettuce-late	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	2.25	5.86
Melons-spring	0.00	1.40	3.99	7.68	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	3.58	3.30	2.65	12.84
Bermuda	0.00	0.00	0.00	3.62	7.54	8.36	8.89	7.67	6.17	0.30	0.00	0.00	42.55
Bermuda w/ rye	2.84	3.04	3.90	3.62	7.54	8.36	8.89	7.67	6.17	1.93	2.94	2.77	59.67
Citrus-young	1.31	1.38	1.98	2.77	3.22	3.36	3.57	3.13	2.65	1.38	1.32	1.30	27.37
Citrus-mature	2.18	2.32	3.33	4.62	5.36	5.59	5.95	5.21	4.41	2.52	2.19	2.17	45.85
Citrus-declining	1.53	1.62	2.31	3.23	3.75	3.91	4.17	3.65	3.09	1.66	1.54	1.52	31.98
Tomatoes	0.00	1.54	4.09	8.95	10.40	4.23	0.00	0.00	0.00	0.00	0.00	0.00	29.21
Sudan	0.00	0.00	0.00	2.28	8.62	10.93	11.63	10.01	0.00	0.00	0.00	0.00	43.47
Legume/Solanum Veg	3.32	3.64	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.29	1.50	2.96	13.32
Crucifers	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.59	2.98	3.05	10.88
Dates	2.85	3.23	5.03	7.50	9.45	10.29	10.95	9.59	7.94	4.44	3.37	3.07	77.71
Safflower	0.00	1.29	4.01	8.97	11.47	10.77	1.30	0.00	0.00	0.00	0.00	0.00	37.81
Orchards	1.26	1.39	2.75	5.31	7.68	8.32	8.85	7.75	6.42	3.56	2.72	1.97	57.98
Small Vegetables	3.15	3.49	5.17	6.29	0.00	0.00	0.00	0.00	0.00	0.29	1.22	2.35	21.96
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.85	3.48	2.89	11.29
Perennial Vegetables	1.03	1.13	1.87	5.30	8.71	9.36	9.96	8.38	6.16	2.45	1.23	1.00	56.58
Sugar Beets	3.42	3.80	5.70	7.93	5.40	0.00	0.00	0.00	0.72	0.99	2.00	3.02	32.98
Grapes	0.00	0.20	1.53	4.85	7.73	8.33	8.43	5.87	1.97	0.00	0.00	0.00	38.91
Marsh	0.77	0.87	4.11	8.66	10.52	11.28	12.01	10.51	8.65	2.84	0.82	0.76	71.80
Barren	1.73	1.93	2.29	2.12	2.49	2.67	2.84	2.49	2.06	1.34	1.38	1.70	25.04
Sc-low	0.65	0.73	1.09	2.54	6.30	8.87	9.46	8.28	6.79	3.26	1.39	0.65	50.01
Sc-high	0.65	0.75	2.26	5.45	9.24	10.50	11.17	9.59	6.22	2.61	0.95	0.61	60.00
Sc/ms	0.99	1.11	2.09	5.10	8.99	10.99	11.69	10.23	7.33	3.35	1.53	0.92	64.32
Sc/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.48	3.43	1.55	0.92	62.32
Sc/ms/aw	0.99	1.11	2.06	4.91	8.57	10.45	11.12	9.73	7.86	3.69	1.62	0.92	63.03
Ms-low	0.99	1.11	1.72	3.41	5.61	7.35	7.99	6.99	5.79	3.23	1.50	0.92	46.61
Ms-high	0.99	1.11	1.99	4.46	7.56	9.50	10.13	8.87	7.33	3.79	1.82	1.00	58.55
Ms/aw	0.99	1.11	1.96	4.26	7.12	9.17	9.84	8.62	6.97	3.32	1.52	0.92	55.80
Aw	0.99	1.11	2.14	4.69	7.78	9.35	9.95	8.57	5.80	2.64	1.20	0.92	55.14
Cw	0.99	1.11	2.19	4.93	8.29	10.01	10.65	9.16	6.16	2.77	1.23	0.92	58.41
Low Veg	0.99	1.11	2.06	4.26	6.87	8.19	8.72	7.62	5.57	2.66	1.33	0.92	50.30