Lower Colorado River Accounting System

Demonstration of Technology

Documentation for Calendar Year 2001

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 2001.

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 agricultural and phreatophyte evapotranspiration (ET) and the portion of the residual distributed to agricultural and phreatophyte ET provides the final estimate of agricultural CU and phreatophyte WU. The algebraic sum of the estimate of domestic use and the portion of the residual distributed to domestic use provides the final value of domestic consumptive use. As the residual can be either a positive or negative number, agricultural CU and phreatophyte WU can be slightly larger or smaller than agricultural and phreatophyte ET. Similarly, the final value of domestic consumptive use can be slightly larger or smaller than the estimate used in the water balance.

Each water-balance table consists of several sheets. The first sheet is a summary sheet, labeled sheet A, 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 agricultural 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_{ag}	=	Agricultural evapotranspiration.
ET_{pht}	=	Phreatophyte evapotranspiration.
E	=	Open-water evaporation.
S_a	=	Change in aquifer storage.
Q_{ds}	=	Flow at downstream reach boundary.

The following equation was used to perform the water balance for calendar year 2001.

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

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 2001 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 following descriptions of the sheets within the water-balance tables apply to all water balance tables.

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 agricultural and domestic CU and phreatophyte WU. The final annual values of agricultural ET and domestic use are the agricultural and domestic CU within the reach. The final annual 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 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 values of the inflow and outflow values in acre-feet. The final value of agricultural ET is agricultural CU, the final value of domestic use is domestic CU, and the final value 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 in the following equation.

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

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 following equation is used to calculate agricultural consumptive use.

$$\text{Agricultural CU} = \text{Agricultural ET} + DR_{ag\ ET}$$

Where:

Agricultural CU	=	Agricultural Consumptive Use,
Agricultural ET	=	Agricultural Evapotranspiration and,
$DR_{ag\ ET}$	=	the portion of the residual from the water balance distributed to Agricultural ET (column labeled “Distributed Residual” for the line labeled “Agricultural Evapotranspiration [ETag]”).

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

1. The sum of the values in the column labeled “Distributed 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 when calculated using the distributed annual values (final estimates of inflows and outflows).

Agricultural and phreatophyte ET, and the estimate of domestic use; and agricultural and domestic CU and the final value 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:

Agricultural ET,
Phreatophyte ET and,
Undistributed Domestic Use,

are the agricultural and phreatophyte ET and estimates of domestic use.

The values in the columns with the following labels:

Agricultural CU,
Phreatophyte WU,
Domestic CU

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

The agricultural CU of each diverter is calculated as follows:

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

The domestic CU of each diverter is calculated as follows:

Domestic CU (diverter) = Estimate of Domestic Use (diverter) ÷ estimate of Domestic Use (sum of all diverters within the reach) * the sum of Domestic CU (distributed annual values of the 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 following equation would be used to calculate the agricultural CU of a diverter named diverter 1.

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

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

The total of the column labeled “Agricultural CU” should be equal to the Agricultural ET (ET_{ag}) 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 Valley 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.

A portion of the 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) is added to the exports from these canals. An explanation of these evaporation calculations is provided in the following section 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, agricultural 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 previously mentioned can be found in attachment 7 of Lower Colorado River Accounting System, Demonstration of Technology.

ET_{ag} outflow component sheet

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

Canal evaporation within the boundaries of agricultural districts, Indian reservations, and wildlife refuges is added to the crop ET to create ET_{ag} term for each diverter as shown by the following equation.

$$ET_{ag} = ET_{crop} + \text{Canal Evaporation}$$

An explanation of these canal evaporation calculations is provided in the following section 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 by the following equation.

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

The evaporation rate is calculated as shown by the following equation.

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

Evaporation is calculated on a monthly basis. The evaporation coefficients (Jensen 1998, 2002) 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 which serve, and ponds which are maintained by, irrigation districts, Indian reservations, and wildlife refuges or between irrigation districts, Indian reservations, and wildlife refuges and their point(s) of diversion from the mainstream, is added to the crop evapotranspiration as if an additional "crop" to create ET_{ag}. Evaporation from major delivery canals is calculated using the same basic technique previously discussed 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, Indian reservation, or wildlife refuge.

For calendar year 2000, Reclamation identified bank to bank canal area (in acres) by screen digitizing using 5 meter panchromatic data from the Indian Remote Sensing IRS 1-C or 1-D sensor using Arc-Info GIS software. The result is an Arc/Info polygon coverage from which Reclamation calculated the acreage of open water within each canal. For calendar year 2001, Reclamation overlaid July 18th, 2001 30-meter TM imagery onto the coverage used for calendar year 2000 to look for needed changes and improvements that could be made. This analysis identified exposed pools of water adjacent to the Gila Gravity Main Canal. The area of these pools were digitized and included in the open water area of the canal.

Major delivery canals were categorized into two groups, single user canals which provide water to a single irrigation district, Indian reservation, or wildlife refuge, and shared canals which provide water to two or more irrigation districts, Indian reservations, or wildlife refuges. 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,r Indian reservation, or wildlife refuge which receives water from the canal to develop ET_{ag}. Evaporation from a shared canal is proportioned among the irrigation districts, Indian reservations, or wildlife refuges 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, Indian reservation, or wildlife refuge (entity) which receives water from a shared canal is added to the crop ET calculated for that entity to develop ET_{ag}.

The proportion of the evaporation from a shared canal assigned to each entity 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 entity is from the canal head works (these values have units of miles),
2. weight the distances calculated in 1 by the diversion at each diversion point for each entity (these values have units of miles),
3. multiply the value calculated in 2 by the total diversion of each entity (these values have units of acre-foot miles),
4. divide the acre-foot mile values for each entity by the sum of acre-foot mile values for all entities 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 previously described, is used to proportion the open-water area of the shared canal among the irrigation district, Indian reservation, or wildlife refuge which received water from the canal. The open-water area assigned to each irrigation district, Indian reservation, or wildlife refuge 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, Indian reservation, or wildlife refuge, the evaporation assigned to each irrigation district, Indian reservation, or wildlife refuge is calculated on Sheet H of the water balance tables, using the technique previously discussed for evaporation from the mainstream substituting the open-water area assigned to each irrigation district, Indian reservation, or wildlife refuge.

Diverter ET sheets

These sheets, labeled sheets I-AK, consist of five pages each. Each sheet displays the calculations of monthly Total Agricultural ET (ET_{ag}), on-district open-water evaporation, and crop and phreatophyte ET 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_{ag} outflow sheet (Sheet F) and the ET_{pht} outflow sheet (Sheet G).

The first page of the Diverter ET sheet displays the monthly and annual totals of agricultural 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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Hoover Dam to Davis Dam

Water-Balance Table

2001 LCRAS	**Sheet A**		2001	ANNUAL WATER BALANCE					
Hoover Dam to Davis Dam Water Balance Table									
(This sheet calculates the water balance on an annual basis.)									
(All values in acre-feet accept where noted)									
			SEE in	Variance in					
Calculations for Qdf (Qus - Qds) and SEE for Qdf:		SEE in %	Acre-Feet	Acre-Feet^2					
Flow @ Upstream Boundary (Qus)	10,209,400	1.40%	142,932	20,429,556,624					
Flow @ Downstream Boundary (Qds)	10,567,500	2.20%	232,485	54,049,275,225					
Difference (Qdf)	(358,100)	-76.21%	272,908	74,478,831,849					
Calculations for Lake Mohave SEE:						Contents at	Contents at	SEE in	Variance in
	Contents	Elevation (ft)	SEE (ft)	Elev. +SEE	Elev.-SEE	(ELEV.+SEE)	(Elev.-SEE)	Acre-Feet	Acre-Feet^2
Beginning of year	1,608,500	639.66	0.025	639.685	639.635	1,609,000	1,607,700	1,300	1,690,000
End of year	1,654,500	641.37	0.025	641.395	641.345	1,655,050	1,653,700	1,350	1,822,500
Change	46,000	1.71						1,874	3512500
Water Balance:	Undistributed						Distributed	SEE of	Distributed
	Annual		SEE in	Variance in	Distributed	Percent of	Annual	Annual	Values
	Value	SEE in %	Acre-Feet	Acre-Feet^2	Residual	Residual	Value	Percent	Acre-Feet
Difference (Qdf)	(358,100)		272,908	74,478,776,464	(520,708)	99.91%	162,608	5.13%	8,336
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	(26)	0.00%	6,506	29.88%	1,944
Outflows:									
Export Flow (Qex)	0	0.00%	0	0	0	0.00%	0	----------	0
Change in Reservoir Storage (Sr)	46,000	4.07%	1,874	3,511,876	(25)	0.00%	45,975	4.08%	1,874
Change in Aquifer Storage (Sa)	0	N/A	5,000	25,000,000	(175)	0.03%	(175)	2856.57%	4,999
Domestic,Municipal&Industrial Use (CUd)	757	2.00%	15	225	0	0.00%	757	1.98%	15
Agricultural Evapotranspiration (ETag)	0	0	0	0	0	0.00%	0	----------	0
Phreatophyte Evapotranspiration (ETpht)	734	5.00%	37	1,369	0	0.00%	734	5.04%	37
Open-Water Evaporation (E)	122,083	5.00%	6,104	37,258,816	(260)	0.05%	121,823	5.01%	6,102
Residual:	(521,194)						0		11,790
Residual as a Percentage of Qus:	-5.1%		Total:	74,548,327,886	(486)	99.99%			
					Undistributed				
Diverter	Agricultural ET	Agricultural CU	Phreatophyte ET	Phreatophyte CU	Domestic Use	Domestic CU			
Lake Mead NRA, AZ	0	0	538	538	0	0			
Lake Mead NRA, NV	0	0	196	196	0	0			
Cottonwood Cove, NV	0	0	0	0	185	185			
Katherines Landing/Willow Beach, AZ	0	0	0	0	571	571			
LCRD Project - Davis Dam, AZ (1)	0	0	0	0	0	0			
McAlister Housing Subdivision, AZ	0	0	0	0	1	1			
Check Totals	0	0	734	734	757	757			

2001 LCRAS			Sheet B			2001	MONTHLY WATER BALANCE							
Hoover Dam to Davis Dam Water Balance Table														
(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		688,700	770,100	974,300	1,140,000	1,029,000	1,080,000	1,001,000	887,600	698,100	515,600	667,000	758,000	10,209,400
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	689,240	770,640	974,840	1,140,540	1,029,540	1,080,540	1,001,540	888,140	698,640	516,140	667,540	758,540	10,215,880
OUTFLOW														
Qex		0	0	0	0	0	0	0	0	0	0	0	0	0
Sr		70,000	(21,200)	53,300	23,200	(54,100)	11,400	(34,300)	11,700	(58,200)	(135,800)	57,200	122,800	46,000
Sa		0	0	0	0	0	0	0	0	0	0	0	0	0
Cud		26	50	67	65	69	65	77	75	37	81	82	62	757
ETag		0	0	0	0	0	0	0	0	0	0	0	0	0
ETpht		25	28	42	60	113	116	100	86	71	46	27	19	734
E		2,702	4,443	9,009	13,024	20,505	16,372	13,247	12,113	10,563	7,652	6,606	5,847	122,083
Qds		649,900	828,100	931,500	1,167,000	1,149,000	1,119,000	1,093,000	856,900	790,400	695,700	636,600	650,400	10,567,500
	Total	722,654	811,421	993,918	1,203,349	1,115,587	1,146,954	1,072,123	880,874	742,872	567,679	700,515	779,128	10,737,074
(INFLOW -OUTFLOW)														
		(33,414)	(40,781)	(19,078)	(62,809)	(86,047)	(66,414)	(70,583)	7,266	(44,232)	(51,539)	(32,975)	(20,588)	(521,194)
	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													
ETag	Agricultural Evapotranspiration													
ETpht	Phreatophyte Evapotranspiration													
E	Open-Water Evaporation													
Qds	Flow @ Downstream Boundary													

2001 LCRAS			Sheet C			2001	Qus, and Trm and Trum INFLOW COMPONENTS							
Hoover Dam to Davis Dam Water Balance Table														
(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		688700	770100	974300	1140000	1029000	1080000	1001000	887600	698100	515600	667000	758000	10,209,400
Station				from USGS Arizona District database (see data file hoov2dav.xls)										
Hoover Dam		688700	770100	974300	1140000	1029000	1080000	1001000	887600	698100	515600	667000	758000	10,209,400
----------		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

2001 LCRAS			Sheet D			2001	Qex, Sr, and Sa OUTFLOW COMPONENTS							
Hoover Dam to Davis Dam Water Balance Table														
(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		70000	-21200	53300	23200	-54100	11400	-34300	11700	-58200	-135800	57200	122800	46,000
Reservoir			from USGS District databases & USBR Operations Records (see data file hoov2dav.xls)											
Mohave														
EOM		1678500	1657300	1710600	1733800	1679700	1691100	1656800	1668500	1610300	1474500	1531700	1654500	
BOM		1608500	1678500	1657300	1710600	1733800	1679700	1691100	1656800	1668500	1610300	1474500	1531700	
	Change	70000	-21200	53300	23200	-54100	11400	-34300	11700	-58200	-135800	57200	122800	46,000

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			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

2001 LCRAS		Sheet E				2001	CUd OUTFLOW COMPONENT							
Hoover Dam to Davis Dam Water Balance Table														
(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		26	50	67	65	69	65	77	75	37	81	82	62	757
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		9.69	19.06	8.59	10.28	11.41	9.97	18.82	18.63	14.68	24.53	25.93	13.13	184.7
Katherines Landing/Willow Beach, AZ		16.72	30.91	58.79	54.60	57.50	55.27	57.74	56.65	22.16	56.39	55.79	48.80	571.3
LCRD Project - Davis Dam, AZ (1)		0.00	0.00	0.10	0.10	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.4
McAlister Housing Subdivision, AZ		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.19	0.18	0.19	0.7
----------		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. Months with CU less than 0.01 ac. ft. noted as zero.														
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

2001 LCRAS		Sheet F			2001	ETcrop OUTFLOW COMPONENT							
Hoover Dam to Davis Dam Water Balance Table													
(Sheet to calculate outflow component ETcrop)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
ETag, Agricultural 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

2001 LCRAS		Sheet G			2001	ETpht OUTFLOW COMPONENT							
Hoover Dam to Davis Dam Water Balance Table													
(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													
	25	28	42	60	113	116	100	86	71	46	27	19	734
Diverter													
Lake Mead NRA, AZ	21	23	33	43	80	83	71	61	51	35	22	16	538
Lake Mead NRA, NV	4	5	10	17	32	33	29	25	20	12	5	3	196
0	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS			Sheet H, Page 1 of 2			2001	E and Qds OUTFLOW COMPONENTS							
Hoover Dam to Davis Dam Water Balance Table														
(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		649900	828100	931500	1167000	1149000	1119000	1093000	856900	790400	695700	636600	650400	10,567,500
Station			from USGS Arizona District database (see data file hoov2dav.xls)											
Davis Dam		649900	828100	931500	1167000	1149000	1119000	1093000	856900	790400	695700	636600	650400	10,567,500
----------		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
E, Open-Water Evaporation (Surface Evaporation= acres X ((evaporation - precipitation)/12)))														
Total		2702	4443	9009	13024	20505	16372	13247	12113	10563	7652	6606	5847	122,083
Lake														
Mohave	acres	27354	27354	27354	27354	27354	27354	27354	27354	27354	27354	27354	27354	
	Ac-ft	2702	4443	9009	13024	20505	16372	13247	12113	10563	7652	6606	5847	122,083
----------	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 2002)														
		1.03	0.95	0.90	0.85	0.82	0.67	0.63	0.72	0.70	0.67	0.83	1.04	
Reference ET, inches			(THESE VALUES FROM ANOTHER WORKSHEET)											
Mohave AZMET		2.85	3.22	5.18	7.11	10.97	10.72	9.24	7.95	6.62	5.01	3.54	2.63	75.04
----------		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		2.94	3.06	4.66	6.04	9.00	7.18	5.82	5.72	4.63	3.36	2.94	2.74	58.09
----------		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 (avg.)		1.75	1.11	0.71	0.33	0.00	0.00	0.01	0.41	0.00	0.00	0.04	0.17	4.53
----------		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

2001 LCRAS			Sheet H, Page 2 of 2			2001	E and Qds OUTFLOW COMPONENTS							
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))]														
District Name	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
District Name	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														

2001 LCRAS		Sheet I, Page 1 of 5			2001	TOTAL DIVERTER ET							
Hoover Dam to Davis Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	21	23	33	43	80	83	71	61	51	35	22	16	538
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet I, Page 2 of 5			2001	TOTAL DIVERTER ET							
Hoover Dam to Davis Dam Water Balance Table													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Lake Mead NRA, AZ													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	15	17	20	16	24	23	20	17	14	12	12	12	203
Sc-low	4	4	8	17	38	41	35	30	25	15	6	2	226
Sc-high	0	0	1	1	3	3	3	2	2	1	0	0	18
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	15	15	13	11	9	7	3	1	91
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet I, Page 3 of 5			2001	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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet I, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet I, Page 5 of 5			2001	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 Fmarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet J, Page 1 of 5			2001	TOTAL DIVERTER ET							
Hoover Dam to Davis Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	4	5	10	17	32	33	29	25	20	12	5	3	196
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet J, Page 2 of 5			2001	TOTAL DIVERTER ET							
Hoover Dam to Davis Dam Water Balance Table													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Lake Mead NRA, NV													
Monthly ET values													
Marsh	1	1	3	6	9	9	8	6	5	2	1	0	50
Barren	2	2	2	2	3	3	2	2	2	1	1	1	25
Sc-low	2	2	3	8	17	18	16	14	11	7	3	1	101
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	20
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet J, Page 3 of 5			2001	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 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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet J, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet J , Page 5 of 5			2001	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 Fmarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

Davis Dam to Parker Dam

Water-Balance Table

2001 LCRAS	Sheet A, Page 1 of 2		2001	ANNUAL WATER BALANCE					
Davis Dam to Parker Dam Water Balance Table									
(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	Variance in					
		SEE in %	Acre-Feet	Acre-Feet^2					
Flow @ Upstream Boundary (Qus)	10,567,500	2.20%	232,485	54,049,275,225					
Flow @ Downstream Boundary (Qds)	7,699,400	2.20%	169,387	28,691,955,769					
Difference (Qdf)	2,868,100	10.03%	287,648						
Calculaions for Lake Havasu SEE:						Contents at	Contents at	SEE in	Variance in
	Contents	Elevation (ft)	SEE (ft)	Elev.+SEE	Elev.-SEE	Elev.+SEE	Elev.-SEE	Acre-Feet	Acre-Feet^2
Beginning of year	547,400	446.26	0.025	446.285	446.235	547,800	546,900	900	810,000
End of year	551,900	446.50	0.025	446.525	446.475	552,150	551,250	900	810,000
Change	4,500	0.24						1,273	
Calculation of SEE for Bill Williams River inflow:				Variance in					
	Value (AF)	SEE in %	SEE in Acre-Feet	Acre-Feet^2					
Flow blw Alamo Dam	21,821	3.00%	655	429,025					
Unmeasured runoff	4,000	30.00%	1,200	1,440,000					
Ground-water discharge	4,000	30.00%	1,200	1,440,000					
ET - Agriculture	1,233	5.00%	62	3,844					
ET - phreatophytes	34,572	5.00%	1,729	2,989,441					
Evaporation	123	5.00%	6	36					
For total annual inflow from the Bill williams River see sheet C.			2,510						
Water Balance:	Undistributed						Distributed	SEE of Distributed	
	Annual		SEE in	Variance in	Distributed	Percent of	Annual	Annual Values	
	Value	SEE in %	Acre-Feet	Acre-Feet^2	Residual	Residual	Value	Percent	Acre-Feet
Difference (Qdf)	2,868,100	10.03%	287,648	82,741,371,904	(270,039)	96.02%	3,138,139	1.83%	57,408
Inflows:									
Measured Tributary Inflow (Trm)	5,357	46.85%	2,510	6,300,100	(21)	0.01%	5,378	46.67%	2,510
Unmeasured Tributary Inflow (Trum)	36,290	30.00%	10,887	118,526,769	(387)	0.14%	36,677	29.66%	10,880
Outflow									
Export Flow (Qex)	2,773,504	2.00%	55,470	3,076,920,900	(10,042)	3.57%	2,763,462	1.97%	54,471
Change in Reservoir Storage (Sr)	4,500	28.29%	1,273	1,620,529	(5)	0.00%	4,495	28.32%	1,273
Change in Aquifer Storage (Sa)	0	N/A	10,000	100,000,000	(326)	0.12%	(326)	3065.64%	9,994
Domestic,Municipal, & Industrial Use (CUd)	40,968	2.00%	819	670,761	(2)	0.00%	40,966	2.00%	819
Agricultural Evapotranspiration (ETag)	76,193	5.00%	3,810	14,516,100	(47)	0.02%	76,146	5.00%	3,810
Phreatophyte Evapotranspiration (ETpht)	177,812	5.00%	8,891	79,049,881	(258)	0.09%	177,554	5.01%	8,887
Open-Water Evaporation (E)	118,011	5.00%	5,901	34,821,801	(114)	0.04%	117,897	5.00%	5,900
Residual	(281,241)				(281,241)		0		81,351
Residual as a percentage of Qus:	-2.66%		Total:	86,173,798,745		100.01%			

2001 LCRAS	Sheet A, Page 2 of 2		**Final Results by Diverter**						
Davis Dam to Parker Dam Water Balance Table									
					Undistributed		Undistributed	Distributed	
Diverter	Agricultural ET	Agricultural CU	Phreatophyte ET	Phreatophyte CU	Domestic Use	Domestic CU	Export	Export	
Bill Williams NWR, AZ	0	0	572	571					
Chemehuevi IR, CA	206	206	37	37					
Fort Mojave IR, AZ	37,043	37,020	34,787	34,737					
Fort Mojave IR, CA	12,992	12,984	4,999	4,992					
Fort Mojave IR, NV	2,100	2,099	7,154	7,144					
Havasu NWR, AZ	349	349	52,678	52,602					
Havasu NWR, CA	0	0	5,904	5,895					
Havasu State Park, AZ	0	0	3,337	3,332					
Lake Mead NRA, AZ	0	0	349	348					
Lake Mead NRA, NV	0	0	103	103					
Moabi Park, CA	0	0	198	198					
Mojave Valley IDD, AZ	22,007	21,993	33,895	33,846					
State of AZ	0	0	3,607	3,602					
State of CA	1,496	1,495	19,367	19,339					
State of NV	0	0	10,825	10,809					
Bullhead City, AZ					4,859	4,859			
Mohave Valley IDD Domestic, AZ					2,804	2,804			
Big Bend Water District, NV (1)					2,176	2,176			
Southern CA Edison, NV (2)					12,968	12,967			
Golden Shores Water Cons. Dist., AZ (3)					320	320			
Havasu Water Company, AZ					392	392			
Needles, CA (4)					2,133	2,133			
Havasu Water Company, CA					35	35			
Mohave Water Conservation District, AZ					466	466			
Lake Havasu City & MCWA, AZ (5)					9,038	9,037			
Sportsman's Park, NV (6)					10	10			
Boy Scouts, NV					0	0			
Southern CA Gas, CA					49	49			
BLM-Black Meadow, CA					100	100			
BLM Permitees, AZ (7)					121	121			
Mohave Co Parks (Davis Dam Camp), AZ					62	62			
Ft Mojave Indian Reservation, NV (Avi) (8)					958	958			
Crystal Beach Water Cons. District, AZ					54	54			
Ft Mojave Indian Reservation, AZ (9)					4,200	4,200			
Ft Mojave Indian Reservation, CA (9)					36	36			
AZ State Parks-Windsor Beach, AZ (10)					13	13			
Pacific Gas & Electric, CA					0	0			
Topock, AZ					126	126			
Chemehuevi, IR, CA					48	48			
MWD(1)							1,250,412	1,245,885	
CAP(2)							1,523,092	1,517,577	
Check Totals	76,193	76,146	177,812	177,555	40,968	40,966	2,773,504	2,763,462	

2001 LCRAS			Sheet B			2001	MONTHLY WATER BALANCE							
Davis Dam to Parker Dam Water Balance Table														
(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		649,900	828,100	931,500	1,167,000	1,149,000	1,119,000	1,093,000	856,900	790,400	695,700	636,600	650,400	10,567,500
Trm		1,389	986	494	0	0	0	0	0	0	0	824	1,664	5,357
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	654,313	832,110	935,018	1,170,024	1,152,024	1,122,024	1,096,024	859,924	793,424	698,724	640,448	655,088	10,609,147
OUTFLOW														
Qex		289,750	268,916	283,056	272,286	272,682	238,165	193,334	169,267	151,858	147,951	213,097	273,142	2,773,504
Sr		9,000	36,600	(8,100)	9,100	(20,800)	17,100	(14,100)	5,400	(14,300)	2,600	(20,700)	2,700	4,500
Sa		0	0	0	0	0	0	0	0	0	0	0	0	0
Cud		2,424	2,416	2,771	2,694	3,977	4,396	4,331	4,365	3,979	3,819	3,192	2,605	40,968
ETag		1,221	2,136	3,345	6,702	11,397	12,276	12,351	10,662	8,745	3,096	2,130	2,131	76,193
ETpht		3,342	3,802	7,687	14,986	29,924	30,897	26,637	22,908	19,035	11,451	4,927	2,215	177,812
E		1,577	3,326	7,612	12,880	20,454	18,268	14,985	11,291	9,689	7,834	6,165	3,930	118,011
Qds		344,300	472,300	647,100	838,400	865,000	876,700	920,700	740,800	644,900	544,300	437,800	367,100	7,699,400
	Total	651,614	789,497	943,471	1,157,048	1,182,634	1,197,802	1,158,238	964,693	823,907	721,051	646,611	653,822	10,890,387
(INFLOW -OUTFLOW)														
		2,699	42,613	(8,452)	12,976	(30,609)	(75,778)	(62,213)	(104,769)	(30,482)	(22,327)	(6,163)	1,266	(281,240)
	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													
ETag	Agricultural Evapotranspiration													
ETpht	Phreatophyte Evapotranspiration													
E	Open-Water Evaporation													
Qds	Flow @ Downstream Boundary													

2001 LCRAS			Sheet C, page 1 of 2			2001	Qus, and Trm and Trum INFLOW COMPONENTS							
Davis Dam to Parker Dam Water Balance Table														
(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		649,900	828,100	931,500	1,167,000	1,149,000	1,119,000	1,093,000	856,900	790,400	695,700	636,600	650,400	10,567,500
Station				from USGS Arizona District database (see data file dav2park.xls)										
Davis Dam		649900	828100	931500	1167000	1149000	1119000	1093000	856900	790400	695700	636600	650400	10,567,500
----------		0	0	0	0	0	0	0	0	0	0	0	0	0
Trm, Measured Tributary Inflow														
Total (zero if negative)		1,389	986	494	0	0	0	0	0	0	0	824	1,664	5,357
Station				from calculations presented below										
Bill Williams River		1,389	986	494	0	0	0	0	0	0	0	824	1,664	5,357
(zero if negative)														
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 *		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
*per ADWR study														

2001 LCRAS			Sheet C, Page 2 of 2			2001	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.xls)											
Flow below Alamo Dam		1540	1270	1520	1320	11	3340	2550	3170	2980	1250	1270	1600	21,821
*Unmeasured average		333	333	333	333	333	333	333	333	333	333	333	333	4,000
annual runoff														
*Ground-water		333	333	333	333	333	333	333	333	333	333	333	333	4,000
discharge														
	Total	2207	1937	2187	1987	678	4007	3217	3837	3647	1917	1937	2267	29,821
Outflow:														
ET - crops**		28	50	71	121	190	173	152	141	131	71	53	52	1,233
ET - phreatophytes**		788	897	1614	2876	5677	5864	5056	4347	3613	2239	1053	546	34,572
Evaporation ***		2	3	8	13	21	19	16	12	10	8	6	4	123
	Total	818	950	1693	3010	5888	6057	5224	4500	3754	2318	1113	602	35,927
Bill Williams River		1389	986	494	0	0	0	0	0	0	0	824	1664	5,357
(zero if negative)														
** Based on values calculated in Sheet I														
*** Based on values calculated in Sheet H, includes factor for effective precipitation														

2001 LCRAS			Sheet D			2001	Qex, Sr, and Sa OUTFLOW COMPONENTS							
Davis Dam to Parker Dam Water Balance Table														
(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		289,750	268,916	283,056	272,286	272,682	238,165	193,334	169,267	151,858	147,951	213,097	273,142	2,773,504
Station			from 2001 MWD & CAP Pumpage Reports in USBR Decree Accounting Records											
MWD(1)		98,328	97,628	106,215	105,385	109,106	105,740	108,645	109,732	96,590	105,939	104,921	102,183	1,250,412
CAP(2)		191,422	171,288	176,841	166,901	163,576	132,425	84,689	59,535	55,268	42,012	108,176	170,959	1,523,092
----------		0	0	0	0	0	0	0	0	0	0	0	0	0
(1) - From MWD/USBR Operations Records, includes return flow credit for measured regulatory reservoirs seepage returns less estimated amount of phreatophyte use														
(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		9,000	36,600	(8,100)	9,100	(20,800)	17,100	(14,100)	5,400	(14,300)	2,600	(20,700)	2,700	4,500
Reservoir														
Havasu			from USGS Arizona/California District databases & USBR Operations Records (see data file dav2park.xls)											
EOM		556,400	593,000	584,900	594,000	573,200	590,300	576,200	581,600	567,300	569,900	549,200	551,900	
BOM		547,400	556,400	593,000	584,900	594,000	573,200	590,300	576,200	581,600	567,300	569,900	549,200	
	Change	9,000	36,600	(8,100)	9,100	(20,800)	17,100	(14,100)	5,400	(14,300)	2,600	(20,700)	2,700	4,500

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			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

2001 LCRAS			Sheet E			2001	CUd OUTFLOW COMPONENT							
Davis Dam to Parker Dam Water Balance Table														
(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		2424	2416	2771	2694	3977	4396	4331	4365	3979	3819	3192	2605	40,968

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		310.20	298.20	324.60	372.60	436.80	493.20	510.00	522.00	442.80	448.20	371.40	329.40	4,859.4
Mohave Valley IDD Domestic, AZ		133.20	134.40	175.20	206.40	294.60	313.20	346.20	283.20	272.40	277.20	220.20	148.20	2,804.4
Big Bend Water District, NV (1)		128.00	100.00	109.00	159.00	244.00	257.00	238.00	264.00	275.00	177.00	123.00	102.00	2,176.0
Southern CA Edison, NV (2)		772.68	854.46	952.38	527.60	1245.13	1394.08	1360.70	1464.20	1215.04	1329.71	1082.09	769.98	12,968.1
Golden Shores Water Cons. Dist., AZ (3)		16.80	13.80	23.40	25.20	30.60	37.20	40.80	39.00	30.60	25.80	18.60	18.00	319.8
Havasu Water Company, AZ		24.16	19.42	23.61	24.65	30.21	53.20	43.19	42.83	37.31	39.99	29.00	24.32	391.9
Needles, CA (4)		45.00	81.00	90.00	170.00	244.00	308.00	301.00	210.00	220.00	174.00	140.00	150.00	2,133.0
Havasu Water Company, CA		2.26	1.96	2.05	2.41	3.28	3.86	4.01	3.82	3.80	2.90	2.35	2.38	35.1
Mohave Water Conservation District, AZ		30.60	26.40	28.80	35.40	45.00	43.80	48.60	53.40	40.20	43.20	39.60	30.60	465.6
Lake Havasu City & MCWA, AZ (5)		523.20	462.00	580.80	692.40	903.60	964.80	886.20	953.40	934.80	826.20	721.80	588.60	9,037.8
Sportsman's Park, NV (6)		0.40	0.45	0.80	0.80	0.95	1.10	1.20	1.20	0.90	0.80	0.60	0.50	9.7
Boy Scouts, NV		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
Southern CA Gas, CA		0.36	1.18	0.84	1.82	4.01	7.67	9.65	8.05	6.61	5.37	3.20	0.22	49.0
BLM-Black Meadow, CA		4.39	4.31	8.00	10.46	10.79	11.23	12.01	12.04	9.65	7.22	6.13	4.04	100.3
BLM Permitees, AZ (7)		6.44	3.34	6.56	12.91	11.82	14.23	23.33	8.74	17.81	6.01	4.10	5.39	120.7
Mohave Co Parks (Davis Dam Camp), AZ		1.80	1.20	1.80	3.60	6.60	8.40	10.80	9.00	7.20	5.40	1.80	4.20	61.8
Ft Mojave Indian Reservation, NV (Avi) (8		51.06	40.91	69.74	75.30	92.06	111.70	121.86	117.26	92.16	77.21	54.80	53.94	958.0
Crystal Beach Water Cons. District, 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, AZ (9)		350.00	350.00	350.00	350.00	350.00	350.00	350.00	350.00	350.00	350.00	350.00	350.00	4,200.0
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)		1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	13.0
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) - Reported annual total only, distributed monthly according to nearby users.														
(4) - Needles CA monthly consumptive use estimated as 40% of reported diversion minus measured returns.														
(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 estimated 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) - Diversion records provided by the Ft. Mojave Tribe in a letter to the USGS dated March 12, 2002. The values displayed here are the diversion times 0.6.														
(9) - Total monthly diversion is sum of pumpage from river and wells calculated using monthly power records and water delivered by the City of Needles CA to the Tribe.														
(10) - Reported annual revised total only, via E-Mail on 04/08/02 from R. Samitz of Lake Havasu City revising R. Sejkora's [AZ State Parks] reported dated 01/09/02.														
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	
Town Name	(population per 2000 U.S. Census data unless otherwise noted, see AZ2000.pdf & CA2000.pdf 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
* - Based on 0.14 acre feet per year (0.012 acre feet per month). See text of the 1997 LCRAS Report, "Domestic Use" section														
(1) - per 1992 U.S. Census data, revised data for 2000 unavailable														

2001 LCRAS		Sheet F			2001	ETcrop OUTFLOW COMPONENT							
Davis Dam to Parker Dam Water Balance Table													
(Sheet to calculate outflow component ETcrop)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
ETag, Agricultural Evapotranspiration													
Total	1221	2136	3345	6702	11397	12276	12351	10662	8745	3096	2130	2131	76,193
Diverter *													
Bill Williams NWR, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemehuevi IR, CA	5	8	12	20	32	29	25	23	22	12	9	9	206
Fort Mojave IR, AZ	641	1101	1748	3484	5831	6061	5902	4772	3904	1469	1061	1071	37,043
Fort Mojave IR, CA	154	276	415	911	1669	2093	2349	2251	1800	493	291	288	12,992
Fort Mojave IR, NV	41	74	105	198	341	318	279	253	229	106	78	77	2,100
Havasu NWR, AZ	14	28	50	79	64	32	28	24	19	1	3	8	349
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	331	588	929	1863	3231	3533	3584	3168	2613	929	624	614	22,007
State of AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
State of CA	34	61	86	146	230	210	185	171	158	86	64	64	1,496
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													

2001 LCRAS		Sheet G			2001	ETpht OUTFLOW COMPONENT							
Davis Dam to Parker Dam Water Balance Table													
(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													
	3342	3802	7687	14986	29924	30897	26637	22908	19035	11451	4927	2215	177,812
Diverter *													
Bill Williams NWR, AZ	10	12	32	59	97	97	84	72	60	28	12	8	572
Chemehuevi IR, CA	1	2	2	3	6	6	5	4	4	2	1	1	37
Fort Mojave IR, AZ	632	719	1382	2807	5868	6102	5260	4524	3762	2339	993	399	34,787
Fort Mojave IR, CA	79	90	189	408	857	888	766	659	547	335	134	47	4,999
Fort Mojave IR, NV	199	227	351	567	1139	1187	1023	880	731	469	241	141	7,154
Havasu NWR, AZ	804	915	2350	4780	9070	9242	7968	6853	5689	3202	1268	538	52,678
Havasu NWR, CA	99	113	308	580	1010	1016	876	753	624	319	130	74	5,904
Havasu State Park, AZ	85	97	165	277	539	557	481	413	343	213	106	61	3,337
Lake Mead NRA, AZ	9	10	17	29	56	57	49	42	35	24	12	6	349
Lake Mead NRA, NV	2	3	5	8	17	18	15	13	11	7	3	2	103
Moabi Park, CA	8	9	12	16	30	31	26	23	19	13	8	6	198
Mojave Valley IDD, AZ	641	730	1366	2727	5688	5926	5108	4394	3653	2274	979	409	33,895
State of AZ	106	121	184	287	568	592	510	438	365	235	125	76	3,607
State of CA	387	440	816	1575	3233	3359	2896	2491	2070	1281	565	254	19,367
State of NV	277	316	508	863	1748	1820	1569	1349	1121	711	350	193	10,825
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													

2001 LCRAS			Sheet H, Page 1 of 2			2001	E and Qds OUTFLOW COMPONENTS							
Davis Dam to Parker Dam Water Balance Table														
(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 the Downstream Boundary														
Total		344300	472300	647100	838400	865000	876700	920700	740800	644900	544300	437800	367100	7,699,400
Station				from USGS Arizona District database (see data file dav2park.xls)										
Parker Dam		344300	472300	647100	838400	865000	876700	920700	740800	644900	544300	437800	367100	7,699,400
----------		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		1577	3326	7612	12880	20454	18268	14985	11291	9689	7834	6165	3930	118,011
Lake														
Colorado River	acres	20919	20919	20919	20919	20919	20919	20919	20919	20919	20919	20919	20919	
	Ac-ft	1371	2892	6618	11200	17785	15884	13030	9818	8424	6812	5361	3417	102,613
Topock Marsh	acres	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	
	Ac-ft	206	434	993	1681	2669	2384	1955	1473	1264	1022	804	513	15,398
----------	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	25	25	25	25	25	25	25	25	25	25	25	25	
	Ac-ft*	2	3	8	13	21	19	16	12	10	8	6	4	123
* - These values used in Sheet C														
Evaporation coefficient, monthly (Jensen, 2002)														
		0.89	0.86	0.87	0.95	0.93	0.85	0.81	0.76	0.73	0.78	0.88	0.81	
ETo, inches			(THESE VALUES FROM ANOTHER WORKSHEET)											
Mohave AZMET		2.85	3.22	5.18	7.11	10.97	10.72	9.24	7.95	6.62	5.01	3.54	2.63	75.04
Evaporation, inches (Evaporation = ETo X Evaporation coefficient)														
Mohave Area		2.54	2.77	4.51	6.75	10.20	9.11	7.48	6.04	4.83	3.91	3.12	2.13	63.39
Precipitation, inches			(THESE VALUES FROM ANOTHER WORKSHEET)											
Ft. Mohave Area (avg.)		1.75	1.11	0.71	0.33	0.00	0.00	0.01	0.41	0.00	0.00	0.04	0.17	4.53

2001 LCRAS			Sheet H, Page 2 of 2			2001	E and Qds OUTFLOW COMPONENTS							
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))]														
District Name	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
District Name	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														

2001 LCRAS		Sheet I, Page 1 of 5			2001	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])													
(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 FMarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	28	50	71	121	190	173	152	141	131	71	53	52	1233
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*	788	897	1614	2876	5677	5864	5056	4347	3613	2239	1053	546	34572
Monthly ET values													
Alfalfa-perennial	28	50	71	121	190	173	152	141	131	71	53	52	1233
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet I, Page 2 of 5			2001	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])													
(All values in acre-feet)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Bill Williams River, AZ*													
Monthly ET values													
Marsh	30	34	172	338	522	511	440	378	313	121	36	26	2920
Barren	327	372	441	354	518	507	438	375	313	257	264	264	4429
Sc-low	211	240	437	985	2181	2338	2015	1733	1440	867	338	119	12904
Sc-high	56	64	142	318	675	699	602	518	431	257	98	31	3892
Sc/ms	42	48	111	254	545	564	486	419	348	207	78	24	3126
Sc/aw	1	1	2	6	12	12	11	9	8	5	2	1	69
Sc/ms/aw	1	1	3	6	12	12	10	9	7	5	2	1	67
Ms-low	25	28	59	113	221	226	195	168	140	99	43	14	1330
Ms-high	5	6	15	32	64	63	54	47	39	27	12	4	367
Ms/aw	2	2	6	12	24	24	20	18	15	10	4	1	138
Aw	1	1	3	7	14	15	13	11	9	6	2	1	82
Cw	35	40	94	199	402	405	349	300	250	170	74	23	2341
Low Veg	53	60	129	252	488	489	422	363	302	210	101	37	2905
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet I, Page 3 of 5			2001	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 Agricultural Acres	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	
Alfalfa-perennial	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	224.77	
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	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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet I, Page 4 of 5			2001	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	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet I, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet J, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	10	12	32	59	97	97	84	72	60	28	12	8	572
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet J, Page 2 of 5			2001	DIVERTER ET							
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
Bill Williams NWR, AZ													
Monthly ET values													
Marsh	4	4	22	43	66	65	56	48	40	15	5	3	372
Barren	4	5	5	4	6	6	5	5	4	3	3	3	54
Sc-low	2	2	5	10	23	24	21	18	15	9	3	1	133
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	13
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet J, Page 3 of 5			2001	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 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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet J, Page 4 of 5			2001	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	143	143	143	143	143	143	143	143	143	143	143	143	
Marsh	61.17	61.17	61.17	61.17	61.17	61.17	61.17	61.17	61.17	61.17	61.17	61.17	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet J, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet K, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	5	8	12	20	32	29	25	23	22	12	9	9	206
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	1	2	2	3	6	6	5	4	4	2	1	1	37
Monthly ET values													
Alfalfa-perennial	4	8	11	19	30	27	24	22	20	11	8	8	192
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	2	2	2	1	1	1	1	1	14
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet K, Page 2 of 5			2001	DIVERTER ET							
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
Chemehuevi IR, CA													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	1	1	1	1	2	2	1	1	1	1	1	1	15
Sc-low	0	0	1	2	4	4	3	3	2	1	1	0	21
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet K, Page 3 of 5			2001	DIVERTER ET							
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	42	42	42	42	42	42	42	42	42	42	42	42	
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	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.54	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet K, Page 4 of 5			2001	DIVERTER ET							
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet K, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet L, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	641	1101	1748	3484	5831	6061	5902	4772	3904	1469	1061	1071	37043
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	632	719	1382	2807	5868	6102	5260	4524	3762	2339	993	399	34787
Monthly ET values													
Alfalfa-perennial	504	900	1276	2163	3403	3107	2731	2526	2341	1266	951	941	22109
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	198	557	1198	1693	1763	1301	129	0	0	6839
Small Grain	41	80	144	196	91	0	0	0	0	0	8	24	584
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	147	437	445	383	324	262	12	0	0	2011
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	275	779	1342	1311	1094	159	0	0	0	0	4960
Legume/Solanum Veg	95	121	53	0	0	0	0	0	0	61	103	107	539
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet L, Page 2 of 5			2001	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
Fort Mojave IR, AZ													
Monthly ET values													
Marsh	1	1	3	6	9	9	8	7	5	2	1	0	51
Barren	130	148	175	141	206	202	174	149	124	102	105	105	1760
Sc-low	163	186	339	764	1692	1814	1564	1345	1117	672	262	92	10010
Sc-high	141	160	358	803	1703	1761	1518	1306	1086	648	247	79	9810
Sc/ms	73	83	189	434	932	965	831	716	595	354	133	41	5345
Sc/aw	9	10	23	53	113	117	101	87	72	43	16	5	651
Sc/ms/aw	14	16	41	89	185	191	165	142	118	79	32	9	1081
Ms-low	7	8	17	32	62	64	55	47	39	28	12	4	375
Ms-high	15	18	43	92	181	180	155	133	111	76	34	11	1049
Ms/aw	10	11	26	56	109	108	93	80	67	45	20	6	631
Aw	25	28	60	127	266	282	243	209	174	112	46	15	1586
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	45	50	108	211	409	411	354	304	253	176	84	31	2437
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet L, Page 3 of 5			2001	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 Agricultural Acres	9084	9084	9084	9084	9084	9084	9084	9084	9084	9084	9084	9084	
* - Includes 20.15 acres of timothy grass in the sudan acreage.													
Alfalfa-perennial	4030.84	4030.84	4030.84	4030.84	4030.84	4030.84	4030.84	4030.84	4030.84	4030.84	4030.84	4030.84	
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	2379.54	2379.54	2379.54	2379.54	2379.54	2379.54	2379.54	2379.54	2379.54	2379.54	2379.54	2379.54	
Small Grain	303.43	303.43	303.43	303.43	303.43	303.43	303.43	303.43	303.43	303.43	303.43	303.43	
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	584.99	584.99	584.99	584.99	584.99	584.99	584.99	584.99	584.99	584.99	584.99	584.99	
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*	1287.52	1287.52	1287.52	1287.52	1287.52	1287.52	1287.52	1287.52	1287.52	1287.52	1287.52	1287.52	
Legume/Solanum Veg	497.48	497.48	497.48	497.48	497.48	497.48	497.48	497.48	497.48	497.48	497.48	497.48	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet L, Page 4 of 5			2001	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	8037	8037	8037	8037	8037	8037	8037	8037	8037	8037	8037	8037	
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	1656.25	1656.25	1656.25	1656.25	1656.25	1656.25	1656.25	1656.25	1656.25	1656.25	1656.25	1656.25	
Sc-low	2084.73	2084.73	2084.73	2084.73	2084.73	2084.73	2084.73	2084.73	2084.73	2084.73	2084.73	2084.73	
Sc-high	1796.95	1796.95	1796.95	1796.95	1796.95	1796.95	1796.95	1796.95	1796.95	1796.95	1796.95	1796.95	
Sc/ms	925.60	925.60	925.60	925.60	925.60	925.60	925.60	925.60	925.60	925.60	925.60	925.60	
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	535.44	535.44	535.44	535.44	535.44	535.44	535.44	535.44	535.44	535.44	535.44	535.44	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet L, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet M, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	154	276	415	911	1669	2093	2349	2251	1800	493	291	288	12992
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	79	90	189	408	857	888	766	659	547	335	134	47	4999
Monthly ET values													
Alfalfa-perennial	154	276	391	663	1042	952	837	774	717	388	291	288	6773
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	160	449	964	1364	1419	1047	104	0	0	5507
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	20	59	60	52	44	35	2	0	0	271
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	24	69	119	116	97	14	0	0	0	0	440
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet M, Page 2 of 5			2001	DIVERTER ET							
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
Fort Mojave IR, CA													
Monthly ET values													
Marsh	1	1	5	10	15	15	13	11	9	3	1	1	84
Barren	6	7	8	7	10	10	8	7	6	5	5	5	83
Sc-low	20	22	41	92	203	218	188	162	134	81	32	11	1204
Sc-high	27	31	70	156	332	343	296	254	211	126	48	15	1911
Sc/ms	11	13	29	66	142	147	126	109	90	54	20	6	812
Sc/aw	1	1	2	5	10	10	9	7	6	4	1	0	55
Sc/ms/aw	3	3	8	16	34	35	30	26	22	15	6	2	200
Ms-low	1	2	3	6	12	12	11	9	8	5	2	1	72
Ms-high	4	5	12	27	52	52	45	39	32	22	10	3	303
Ms/aw	3	4	9	18	36	35	30	26	22	15	6	2	206
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	3	6	12	12	10	9	7	5	2	1	70
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet M, Page 3 of 5			2001	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 Agricultural Acres	3344	3344	3344	3344	3344	3344	3344	3344	3344	3344	3344	3344
Alfalfa-perennial	1234.84	1234.84	1234.84	1234.84	1234.84	1234.84	1234.84	1234.84	1234.84	1234.84	1234.84	1234.84
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	1915.95	1915.95	1915.95	1915.95	1915.95	1915.95	1915.95	1915.95	1915.95	1915.95	1915.95	1915.95
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	78.97	78.97	78.97	78.97	78.97	78.97	78.97	78.97	78.97	78.97	78.97	78.97
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	114.26	114.26	114.26	114.26	114.26	114.26	114.26	114.26	114.26	114.26	114.26	114.26
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet M, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet M, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet N, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	41	74	105	198	341	318	279	253	229	106	78	77	2100
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	199	227	351	567	1139	1187	1023	880	731	469	241	141	7154
Monthly ET values													
Alfalfa-perennial	41	74	105	178	279	255	224	207	192	104	78	77	1814
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	21	62	63	54	46	37	2	0	0	286
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet N, Page 2 of 5			2001	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
Fort Mojave IR, NV													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	110	125	148	119	174	170	147	126	105	86	89	89	1487
Sc-low	52	60	109	246	544	583	502	432	359	216	84	30	3215
Sc-high	14	15	35	78	165	170	147	126	105	63	24	8	949
Sc/ms	10	11	26	59	127	132	113	98	81	48	18	6	729
Sc/aw	1	1	2	4	9	9	8	7	5	3	1	0	49
Sc/ms/aw	0	0	1	3	5	6	5	4	3	2	1	0	32
Ms-low	1	1	3	5	10	11	9	8	7	5	2	1	63
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	3	6	12	13	11	9	8	5	2	1	72
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	10	12	25	48	94	94	81	70	58	40	19	7	558
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet N, Page 3 of 5			2001	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	414	414	414	414	414	414	414	414	414	414	414	414	
Alfalfa-perennial	330.77	330.77	330.77	330.77	330.77	330.77	330.77	330.77	330.77	330.77	330.77	330.77	
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	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	83.07	83.07	83.07	83.07	83.07	83.07	83.07	83.07	83.07	83.07	83.07	83.07	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet N, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet N, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet O, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	14	28	50	79	64	32	28	24	19	1	3	8	349
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	804	915	2350	4780	9070	9242	7968	6853	5689	3202	1268	538	52678
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	14	28	50	68	32	0	0	0	0	0	3	8	203
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	11	32	32	28	24	19	1	0	0	146
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet O, Page 2 of 5			2001	DIVERTER ET							
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
Havasu NWR, AZ													
Monthly ET values													
Marsh	143	162	830	1632	2519	2462	2123	1825	1508	581	172	127	14085
Barren	100	114	136	109	159	156	134	115	96	79	81	81	1361
Sc-low	111	126	229	518	1146	1228	1059	910	756	455	178	62	6778
Sc-high	168	191	427	957	2029	2099	1810	1556	1294	773	294	95	11690
Sc/ms	71	80	184	422	907	939	809	696	579	344	130	40	5200
Sc/aw	21	24	53	120	257	266	229	197	164	98	37	12	1477
Sc/ms/aw	18	21	52	113	235	242	209	180	150	101	40	11	1373
Ms-low	21	23	49	95	186	190	164	141	118	83	36	12	1119
Ms-high	19	22	54	116	228	226	195	168	139	96	43	14	1320
Ms/aw	51	58	139	293	574	568	490	422	351	239	104	33	3321
Aw	54	62	130	275	576	610	526	453	377	242	100	32	3437
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	28	31	67	131	255	255	220	189	158	109	52	19	1516
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet O, Page 3 of 5			2001	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 Agricultural Acres	148	148	148	148	148	148	148	148	148	148	148	148	
Note: Acreage estimates for year 2001 unavailable, used year 2000 crop types and acreage.													
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet O, Page 4 of 5			2001	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	10740	10740	10740	10740	10740	10740	10740	10740	10740	10740	10740	10740	
Marsh	2317.64	2317.64	2317.64	2317.64	2317.64	2317.64	2317.64	2317.64	2317.64	2317.64	2317.64	2317.64	
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	1411.56	1411.56	1411.56	1411.56	1411.56	1411.56	1411.56	1411.56	1411.56	1411.56	1411.56	1411.56	
Sc-high	2141.43	2141.43	2141.43	2141.43	2141.43	2141.43	2141.43	2141.43	2141.43	2141.43	2141.43	2141.43	
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	333.14	333.14	333.14	333.14	333.14	333.14	333.14	333.14	333.14	333.14	333.14	333.14	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet O, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet P, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	99	113	308	580	1010	1016	876	753	624	319	130	74	5904
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet P, Page 2 of 5			2001	DIVERTER ET							
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
Havasu NWR, CA													
Monthly ET values													
Marsh	30	34	175	343	530	518	446	384	317	122	36	27	2962
Barren	29	32	39	31	45	44	38	33	27	22	23	23	387
Sc-low	16	19	34	76	169	181	156	134	111	67	26	9	999
Sc-high	7	8	17	38	81	84	72	62	52	31	12	4	467
Sc/ms	5	5	12	27	58	60	52	45	37	22	8	3	334
Sc/aw	1	1	2	4	9	10	8	7	6	4	1	0	54
Sc/ms/aw	1	1	3	6	13	14	12	10	9	6	2	1	78
Ms-low	2	2	5	9	17	18	15	13	11	8	3	1	104
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	1	1	2	5	5	5	4	3	2	1	0	31
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	9	10	22	42	82	82	71	61	51	35	17	6	488
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet P, Page 3 of 5			2001	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 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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet P, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet P, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet Q, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	85	97	165	277	539	557	481	413	343	213	106	61	3337
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Q, Page 2 of 5			2001	DIVERTER ET							
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
Havasu State Park, AZ													
Monthly ET values													
Marsh	3	4	20	39	60	58	50	43	36	14	4	3	334
Barren	42	48	57	46	67	65	56	48	40	33	34	34	571
Sc-low	26	29	54	121	267	287	247	213	177	106	41	15	1582
Sc-high	3	3	6	15	31	32	28	24	20	12	4	1	178
Sc/ms	2	2	5	12	27	28	24	21	17	10	4	1	153
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	1	2	4	4	3	3	2	2	1	0	24
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	10	22	43	83	83	72	62	51	36	17	6	495
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Q, Page 3 of 5			2001	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 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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Q, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Q, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet R, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	9	10	17	29	56	57	49	42	35	24	12	6	349
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet R, Page 2 of 5			2001	DIVERTER ET							
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
Lake Mead NRA, AZ													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	1
Barren	4	5	6	5	7	7	6	5	4	3	4	4	60
Sc-low	2	2	4	8	18	19	16	14	12	7	3	1	104
Sc-high	0	0	1	1	2	3	2	2	2	1	0	0	14
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	5	9	9	8	7	6	4	2	1	54
Ms-high	0	0	1	1	3	3	2	2	2	1	1	0	16
Ms/aw	1	1	3	6	12	12	10	9	7	5	2	1	67
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	1	3	6	6	5	4	3	2	1	0	33
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet R, Page 3 of 5			2001	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 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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet R, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet R, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet S, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	2	3	5	8	17	18	15	13	11	7	3	2	103
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet S, Page 2 of 5			2001	DIVERTER ET							
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
Lake Mead NRA, NV													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	1	1	1	1	2	2	1	1	1	1	1	1	13
Sc-low	1	1	2	4	10	10	9	8	6	4	1	1	57
Sc-high	0	0	1	1	3	3	3	2	2	1	0	0	18
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	2	1	1	0	15
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet S, Page 3 of 5			2001	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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet S, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet S, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet T, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	8	9	12	16	30	31	26	23	19	13	8	6	198
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet T, Page 2 of 5			2001	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
Moabi Park, CA													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	6	7	8	6	9	9	8	7	6	5	5	5	78
Sc-low	1	1	3	6	13	14	12	10	8	5	2	1	75
Sc-high	0	0	1	2	3	3	3	2	2	1	0	0	19
Sc/ms	0	0	1	2	4	4	4	3	3	1	1	0	23
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	1	1	0	0	0	0	0	0	3
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet T, Page 3 of 5			2001	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 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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet T, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet T, Page 5 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table					(Sheet to calculate ET for Moabi Park, CA)								
Monthly ET values, inches (from FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet U, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	331	588	929	1863	3231	3533	3584	3168	2613	929	624	614	22007
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	641	730	1366	2727	5688	5926	5108	4394	3653	2274	979	409	33895
Monthly ET values													
Alfalfa-perennial	324	579	821	1391	2188	1998	1756	1624	1505	814	611	605	14217
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	155	435	936	1323	1378	1017	101	0	0	5345
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	39	116	118	102	86	70	3	0	0	535
Bermuda w/ rye	6	7	12	9	28	28	24	21	17	7	10	7	175
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	93	265	456	446	372	54	0	0	0	0	1686
Legume/Solanum Veg	1	2	1	0	0	0	0	0	0	1	1	1	7
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	1	2	4	7	7	6	5	4	3	2	1	42
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet U, Page 2 of 5			2001	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
Mojave Valley IDD, AZ													
Monthly ET values													
Marsh	1	2	8	16	24	24	20	17	14	6	2	1	135
Barren	153	175	207	166	243	238	206	176	147	121	124	124	2081
Sc-low	190	217	395	891	1973	2114	1823	1568	1302	784	306	107	11669
Sc-high	114	130	290	651	1381	1428	1232	1059	881	526	200	64	7956
Sc/ms	58	66	152	350	750	777	669	576	479	285	107	33	4303
Sc/aw	10	12	27	60	129	133	115	99	82	49	19	6	742
Sc/ms/aw	8	9	23	51	106	109	94	81	67	45	18	5	619
Ms-low	6	7	15	30	58	59	51	44	37	26	11	4	348
Ms-high	13	14	35	75	148	146	126	109	90	62	28	9	855
Ms/aw	20	23	54	115	225	223	192	165	138	94	41	13	1304
Aw	32	37	78	164	343	364	314	270	225	145	59	19	2050
Cw	0	1	1	3	5	5	5	4	3	2	1	0	32
Low Veg	33	37	80	156	303	304	262	225	187	130	62	23	1802
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet U, Page 3 of 5			2001	DIVERTER ET						
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	5097	5097	5097	5097	5097	5097	5097	5097	5097	5097	5097	5097
Alfalfa-perennial	2591.95	2591.95	2591.95	2591.95	2591.95	2591.95	2591.95	2591.95	2591.95	2591.95	2591.95	2591.95
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	1859.66	1859.66	1859.66	1859.66	1859.66	1859.66	1859.66	1859.66	1859.66	1859.66	1859.66	1859.66
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	155.67	155.67	155.67	155.67	155.67	155.67	155.67	155.67	155.67	155.67	155.67	155.67
Bermuda w/ rye	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11	37.11
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	437.63	437.63	437.63	437.63	437.63	437.63	437.63	437.63	437.63	437.63	437.63	437.63
Legume/Solanum Veg	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet U, Page 4 of 5			2001	DIVERTER ET							
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	8165	8165	8165	8165	8165	8165	8165	8165	8165	8165	8165	8165	
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	1958.51	1958.51	1958.51	1958.51	1958.51	1958.51	1958.51	1958.51	1958.51	1958.51	1958.51	1958.51	
Sc-low	2430.30	2430.30	2430.30	2430.30	2430.30	2430.30	2430.30	2430.30	2430.30	2430.30	2430.30	2430.30	
Sc-high	1457.43	1457.43	1457.43	1457.43	1457.43	1457.43	1457.43	1457.43	1457.43	1457.43	1457.43	1457.43	
Sc/ms	745.03	745.03	745.03	745.03	745.03	745.03	745.03	745.03	745.03	745.03	745.03	745.03	
Sc/aw	132.34	132.34	132.34	132.34	132.34	132.34	132.34	132.34	132.34	132.34	132.34	132.34	
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	161.11	161.11	161.11	161.11	161.11	161.11	161.11	161.11	161.11	161.11	161.11	161.11	
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	412.10	412.10	412.10	412.10	412.10	412.10	412.10	412.10	412.10	412.10	412.10	412.10	
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	395.89	395.89	395.89	395.89	395.89	395.89	395.89	395.89	395.89	395.89	395.89	395.89	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet U, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet V, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	106	121	184	287	568	592	510	438	365	235	125	76	3607
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet V, Page 2 of 5			2001	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
State of AZ													
Monthly ET values													
Marsh	1	1	4	7	11	11	9	8	7	3	1	1	62
Barren	61	70	83	66	97	95	82	70	59	48	50	50	831
Sc-low	32	36	66	149	329	353	304	262	217	131	51	18	1948
Sc-high	2	2	5	10	22	23	20	17	14	8	3	1	128
Sc/ms	2	2	5	12	27	28	24	21	17	10	4	1	153
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	1	3	6	6	5	5	4	2	1	0	35
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	8	9	20	39	76	76	65	56	47	32	16	6	450
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet V, Page 3 of 5			2001	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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet V, Page 4 of 5			2001	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	1354	1354	1354	1354	1354	1354	1354	1354	1354	1354	1354	1354	
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	405.74	405.74	405.74	405.74	405.74	405.74	405.74	405.74	405.74	405.74	405.74	405.74	
Sc-high	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet V, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet W, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	34	61	86	146	230	210	185	171	158	86	64	64	1496
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	387	440	816	1575	3233	3359	2896	2491	2070	1281	565	254	19367
Monthly ET values													
Alfalfa-perennial	34	61	86	146	230	210	185	171	158	86	64	64	1496
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet W, Page 2 of 5			2001	DIVERTER ET							
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
State of CA													
Monthly ET values													
Marsh	6	7	36	72	110	108	93	80	66	26	8	6	618
Barren	114	130	154	124	181	177	153	131	109	90	92	92	1548
Sc-low	117	133	243	548	1212	1299	1120	963	800	482	188	66	7170
Sc-high	64	72	162	363	769	796	686	590	490	293	112	36	4432
Sc/ms	30	34	79	181	389	403	347	299	248	148	56	17	2232
Sc/aw	2	3	6	14	30	31	27	23	19	12	4	1	174
Sc/ms/aw	4	5	11	25	51	53	46	39	33	22	9	2	299
Ms-low	5	6	13	25	50	51	44	38	31	22	10	3	298
Ms-high	11	12	30	64	126	125	108	93	77	53	24	8	732
Ms/aw	3	3	7	15	29	29	25	21	18	12	5	2	167
Aw	3	4	8	16	34	36	31	27	22	14	6	2	205
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	27	31	66	129	251	252	217	186	155	108	52	19	1494
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet W, Page 3 of 5			2001	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	273	273	273	273	273	273	273	273	273	273	273	273	
Alfalfa-perennial	272.67	272.67	272.67	272.67	272.67	272.67	272.67	272.67	272.67	272.67	272.67	272.67	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet W, Page 4 of 5			2001	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	4942	4942	4942	4942	4942	4942	4942	4942	4942	4942	4942	4942	
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	1456.59	1456.59	1456.59	1456.59	1456.59	1456.59	1456.59	1456.59	1456.59	1456.59	1456.59	1456.59	
Sc-low	1493.26	1493.26	1493.26	1493.26	1493.26	1493.26	1493.26	1493.26	1493.26	1493.26	1493.26	1493.26	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet W, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

2001 LCRAS		Sheet X, Page 1 of 5			2001	DIVERTER ET							
Davis Dam to Parker Dam Water Balance Table													
(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 FMarea01.xlw)													
(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	277	316	508	863	1748	1820	1569	1349	1121	711	350	193	10825
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet X, Page 2 of 5			2001	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
State of NV													
Monthly ET values													
Marsh	1	1	4	8	13	12	11	9	8	3	1	1	70
Barren	136	155	184	148	216	212	183	157	131	107	110	110	1851
Sc-low	79	90	163	369	816	874	754	648	539	324	126	44	4826
Sc-high	30	34	76	171	362	375	323	278	231	138	53	17	2087
Sc/ms	11	12	28	65	140	145	125	108	89	53	20	6	803
Sc/aw	0	0	1	2	4	4	3	3	2	1	1	0	23
Sc/ms/aw	0	0	1	1	3	3	3	2	2	1	1	0	18
Ms-low	1	1	2	5	9	10	8	7	6	4	2	1	57
Ms-high	2	2	4	10	19	19	16	14	12	8	4	1	109
Ms/aw	2	2	6	13	25	24	21	18	15	10	4	1	142
Aw	0	0	1	2	4	5	4	3	3	2	1	0	26
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	15	17	36	70	137	137	118	102	85	59	28	10	813
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet X, Page 3 of 5			2001	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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet X, Page 4 of 5			2001	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	1742.25	1742.25	1742.25	1742.25	1742.25	1742.25	1742.25	1742.25	1742.25	1742.25	1742.25	1742.25	
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	382.27	382.27	382.27	382.27	382.27	382.27	382.27	382.27	382.27	382.27	382.27	382.27	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet X, Page 5 of 5			2001	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 FMarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.50	2.68	3.80	6.44	10.13	9.25	8.13	7.52	6.97	3.77	2.83	2.80	65.82
Alfalfa-annual	0.93	2.89	3.60	6.19	12.05	6.59	10.21	0.00	0.00	0.00	0.00	1.08	43.54
Alfalfa-seed	0.40	1.58	2.92	2.76	7.08	7.22	3.57	5.17	5.20	5.33	2.95	2.74	46.92
Cotton	0.00	0.00	0.00	1.00	2.81	6.04	8.54	8.89	6.56	0.65	0.00	0.00	34.49
Small Grain	1.64	3.18	5.70	7.75	3.61	0.00	0.00	0.00	0.00	0.00	0.30	0.93	23.11
Field Grain	0.00	0.00	1.68	6.48	13.15	11.39	1.27	0.00	0.00	0.00	0.00	0.00	33.97
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.18	0.00	6.21
Lettuce-late	1.88	2.78	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	6.91
Melons-spring	0.00	-0.24	3.33	7.01	10.95	6.45	0.00	0.00	0.00	0.00	0.00	0.00	27.50
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.91	4.91	3.51	1.29	14.98
Bermuda	0.00	0.00	0.00	3.02	8.97	9.12	7.86	6.65	5.38	0.25	0.00	0.00	41.25
Bermuda w/ rye	1.84	2.31	3.82	3.02	8.97	9.12	7.86	6.65	5.38	2.27	3.08	2.28	56.60
Citrus-young	0.49	0.85	1.85	2.62	3.86	3.67	3.16	2.72	2.31	1.87	1.40	1.05	25.85
Citrus-mature	1.29	1.71	3.17	4.36	6.43	6.11	5.27	4.53	3.85	3.12	2.34	1.80	43.98
Citrus-declining	0.69	1.07	2.18	3.05	4.50	4.28	3.69	3.17	2.70	2.18	1.63	1.24	30.38
Tomatoes	0.00	1.54	4.43	8.34	12.28	4.79	0.00	0.00	0.00	0.00	0.00	0.00	31.38
Sudan	0.00	0.00	2.56	7.26	12.51	12.22	10.20	1.48	0.00	0.00	0.00	0.00	46.23
Legume/Solanum Veg	2.30	2.91	1.27	0.00	0.00	0.00	0.00	0.00	0.00	1.48	2.48	2.57	13.01
Crucifers	2.16	2.70	0.34	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.02	2.39	11.87
Dates	1.79	2.46	4.99	7.15	10.97	10.60	9.04	7.69	6.33	4.74	3.29	2.36	71.41
Safflower	0.00	0.77	3.91	8.37	13.57	12.03	1.67	0.00	0.00	0.00	0.00	0.00	40.32
Orchards	0.59	1.01	2.84	5.23	9.42	9.28	8.00	6.88	5.73	4.34	2.97	1.55	57.84
Small Vegetables	2.14	2.76	4.15	0.00	0.00	0.00	0.00	0.00	1.09	1.97	2.63	2.55	17.29
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	3.70	3.69	2.42	12.13
Perennial Vegetables	0.54	0.96	2.28	5.25	10.21	10.00	8.62	7.16	5.45	3.22	1.61	1.08	56.38
Sugar Beets	2.36	3.01	5.41	7.33	8.11	0.23	0.00	0.00	0.72	1.78	2.21	2.51	33.67
Grapes	0.00	-0.23	1.45	4.61	9.26	9.10	7.46	5.05	1.82	0.00	0.00	0.00	38.52
Herbs (Miscellaneous)	1.90	2.49	1.15	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.96	2.30	10.86
Marsh	0.74	0.84	4.30	8.45	13.04	12.75	10.99	9.45	7.81	3.01	0.89	0.66	72.93
Barren	0.94	1.07	1.27	1.02	1.49	1.46	1.26	1.08	0.90	0.74	0.76	0.76	12.75
Sc-low	0.94	1.07	1.95	4.40	9.74	10.44	9.00	7.74	6.43	3.87	1.51	0.53	57.62
Sc-high	0.94	1.07	2.39	5.36	11.37	11.76	10.14	8.72	7.25	4.33	1.65	0.53	65.51
Sc/ms	0.94	1.07	2.45	5.63	12.08	12.51	10.78	9.28	7.71	4.59	1.73	0.53	69.30
Sc/aw	0.94	1.07	2.41	5.48	11.70	12.10	10.43	8.98	7.46	4.45	1.69	0.53	67.24
Sc/ms/aw	0.94	1.07	2.65	5.77	12.05	12.42	10.71	9.21	7.67	5.17	2.07	0.57	70.30
Ms-low	0.94	1.07	2.25	4.32	8.49	8.67	7.48	6.43	5.36	3.79	1.63	0.55	50.98
Ms-high	0.94	1.07	2.60	5.58	11.01	10.90	9.40	8.09	6.73	4.62	2.09	0.68	63.71
Ms/aw	0.94	1.07	2.54	5.37	10.52	10.42	8.98	7.73	6.43	4.39	1.91	0.60	60.90
Aw	0.94	1.07	2.26	4.77	10.00	10.60	9.14	7.86	6.55	4.21	1.73	0.55	59.68
Cw	0.94	1.07	2.54	5.37	10.83	10.90	9.40	8.09	6.73	4.59	1.99	0.61	63.06
Low Veg	1.00	1.13	2.43	4.73	9.17	9.20	7.93	6.82	5.68	3.94	1.89	0.70	54.62
Moist Soil Unit	2.85	3.22	5.08	7.01	6.3	3.33	9.94	8.98	4.55	5.01	3.54	2.63	62.44
Seasonal Wetland	2.85	3.22	3.98	4.05	4.82	2.77	4.68	4.37	3.64	5.01	3.54	2.63	45.56

Parker Dam to Imperial Dam

Water-Balance Table

2001 LCRAS	Sheet A, Page 1 of 2		2001	ANNUAL WATER BALANCE					
Parker Dam to Imperial Dam Water Balance Table									
(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	Variance in					
		SEE in %	Acre-Feet	Acre-Feet^2					
Flow at Upstream Boundary (Qus)	7,699,400	2.20%	169,387	28,691,955,769					
Flow at Downstream Boundary (Qds)	6,148,954	1.50%	92,234	8,507,110,756					
Difference (Qdif)	1,550,446	12.44%	192,871						
Calcutations for Senator Wash Change in Storage SEE:						Contents at	Contents at	SEE in	Variance in
	Contents	Elevation (ft)	SEE (ft)	Elev.+SEE	Elev.-SEE	Elev.+SEE	Elev.-SEE	Acre-Feet	Acre-Feet^2
Beginning of Year	6,100	231.09	0.025	231.115	231.065	6,107	6,092	15	225
End of year	1,625	210.36	0.025	210.385	210.335	1,629	1,622	7	49
Change	(4,475)	-20.73						17	
Water Balance:									
	Undistributed						Distributed	SEE of Distributed	
	Annual		SEE in	Variance in	Distributed	Percent of	Annual	Annual Values	
	Value	SEE in %	Acre-Feet	Acre-Feet^2	Residual	Residual	Value	Percent	Acre-Feet
Difference (Qdif)	1,550,446	12.44%	192,871	37,199,222,641	371,318	94.91%	1,179,128	3.69%	43,533
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	1,023	0.26%	32,727	30.90%	10,112
Outflows:									
Export Flow (Qex)	0	0.00%	0	0	0	0.00%	0	0.00%	0
Change in Reservoir Storage (Sr)	(4,475)	-0.38%	17	289	0	0.00%	(4,475)	0.38%	17
Change in Aquifer Storage (Sa)	0	N/A	10,000	100,000,000	998	0.26%	998	1000.70%	9,987
Domestic,Municipal & Industrial Use (CUd)	4,220	2.00%	84	7,056	0	0.00%	4,220	1.99%	84
Agricultural Evapotranspiration (ETag)	761,725	5.00%	38,086	1,450,543,396	14,479	3.70%	776,204	4.82%	37,375
Phreatophyte Evapotranspiration (ETpht)	364,752	5.00%	18,238	332,624,644	3,320	0.85%	368,072	4.93%	18,160
Open-Water Evaporation (E)	66,724	5.00%	3,336	11,128,896	111	0.03%	66,835	4.99%	3,336
Residual	391,250				391,249		1		61,927
Residual as a percentage of Qus	5.08%		Total:	39,196,042,547		100.01%			

2001 LCRAS	Sheet A, Page 2 of 2		**Final Results by Diverter**						
Parker Dam to Imperial Dam Water Balance Table									
					Undistributed				
Diverter	Agricultural ET	Agricultural CU	Phreatophyte ET	Phreatophyte CU	Domestic Use	Domestic CU			
Arkelian Farm, AZ	1,086	1,107	2,591	2,615					
Bernal Farm, CA	0	0	1,256	1,267					
Cibola Valley I&DD, AZ	14,289	14,561	6,322	6,380					
Cibola NWR, AZ	6,511	6,635	48,925	49,370					
Cibola NWR, CA	0	0	19,705	19,884					
Clark Farm, CA	609	621	135	136					
CRIR, AZ	338,909	345,351	141,291	142,577					
CRIR, CA	0	0	36,184	36,513					
Ehrenberg Farm, AZ	2,503	2,551	1	1					
Imperial NWR, AZ	0	0	26,767	27,011					
Imperial NWR, CA	0	0	20,099	20,282					
North Lyn-de Farm, CA	819	835	1	1					
PVID, AZ	667	680	591	596					
PVID, CA	395,142	402,653	8,536	8,614					
Picacho SRA, CA	0	0	4,623	4,665					
South Lyn-de Farm, CA	277	282	3	3					
State of AZ	0	0	20,184	20,368					
State of CA	914	931	27,537	27,788					
----------	0	0	0	0					
Lake Enterprises (Chemgold, inc.),CA					18	18			
Hillcrest Water Company, AZ					14	14			
Parker (Town), AZ (1)					539	539			
Ehrenburg Improvement Assoc., AZ					247	247			
Parker Dam/Govt. Camp, CA (2)					160	160			
BLM Permitees, CA (3)					222	222			
BLM Permitees, AZ (4)					527	527			
Brooke Water L.L.C., AZ					244	244			
CRIT Domestic, AZ (5)					65	65			
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			
Check Totals	761,726	776,207	364,751	368,071	4,218	4,218			

2001 LCRAS			Sheet B			2001	MONTHLY WATER BALANCE							
Parker Dam to Imperial Dam Water Balance Table														
(This sheet calculates the water balancet 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		344,300	472,300	647,100	838,400	865,000	876,700	920,700	740,800	644,900	544,300	437,800	367,100	7,699,400
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	347,113	475,113	649,913	841,213	867,813	879,513	923,513	743,613	647,713	547,113	440,613	369,913	7,733,150
OUTFLOW														
Qex		0	0	0	0	0	0	0	0	0	0	0	0	0
Sr		501	(132)	632	(2,162)	943	764	271	(567)	375	(488)	(2,518)	(2,094)	(4,475)
Sa		0	0	0	0	0	0	0	0	0	0	0	0	0
Cud		284	281	305	335	369	425	410	385	378	386	356	307	4,220
ETag		13,649	26,367	37,445	70,590	103,065	105,057	112,867	102,497	95,341	42,131	26,829	25,887	761,725
ETpht		5,198	6,654	14,482	29,260	54,236	57,916	58,347	51,601	45,291	27,263	10,501	4,002	364,752
E		900	1,558	2,652	6,579	9,133	9,595	9,137	8,371	7,412	5,617	3,674	2,097	66,724
Qds		336,113	421,409	525,712	667,948	655,324	613,308	662,020	564,985	515,354	465,780	386,020	334,981	6,148,954
	Total	356,645	456,136	581,228	772,549	823,070	787,066	843,052	727,272	664,151	540,689	424,862	365,180	7,341,901
(INFLOW -OUTFLOW)														
		(9,533)	18,976	68,684	68,663	44,743	92,447	80,461	16,341	(16,438)	6,424	15,750	4,732	391,249
	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													
ETag	Agricultural Evapotranspiration													
ETpht	Phreatophyte Evapotranspiration													
E	Open-Water Evaporation													
Qds	Flow @ Downstream Boundary													

2001 LCRAS		Sheet C			2001	Qus, and Trm and Trum INFLOW COMPONENTS							
Parker Dam to Imperial Dam Water Balance Table													
(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	344300	472300	647100	838400	865000	876700	920700	740800	644900	544300	437800	367100	7699400
Station			from USGS Arizona District database (see data file park2imp.xls)										
Parker Dam	344300	472300	647100	838400	865000	876700	920700	740800	644900	544300	437800	367100	7699400
----------	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 Mnts	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 Mnts	100	100	100	100	100	100	100	100	100	100	100	100	1200
Dome Rock-Trigo	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	16200
& Chocolate Mountains													
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

2001 LCRAS			Sheet D			2001	Qex, Sr, and Sa OUTFLOW COMPONENTS							
Parker Dam to Imperial Dam Water Balance Table														
(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 prior])														
Total		501	-132	632	-2162	943	764	271	-567	375	-488	-2518	-2094	-4475
Reservoir														
Senator Wash				from USGS California database & USBR Operations Records (see data file park2imp.xls)										
EOM		6601	6469	7101	4939	5882	6646	6917	6350	6725	6237	3719	1625	
BOM		6100	6601	6469	7101	4939	5882	6646	6917	6350	6725	6237	3719	
	Change	501	-132	632	-2162	943	764	271	-567	375	-488	-2518	-2094	-4475

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

2001 LCRAS			Sheet E			2001	CUd OUTFLOW COMPONENT							
Parker Dam to Imperial Dam Water Balance Table						(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		284	281	305	335	369	425	410	385	378	386	356	307	4220

Consumptive Use (estimated as 60% of diversion per Domestic Water Use Study of Boulder City NV 1988-1992, see file bcwater.wk1)														
Lake Enterprises (Chemgold, inc.),C		0.60	0.72	1.50	1.80	2.70	2.73	3.00	2.70	1.50	0.45	0.30	0.30	18
Hillcrest Water Company, AZ		0.99	0.81	0.79	1.24	1.24	1.36	1.16	1.57	1.34	1.22	1.32	1.04	14
Parker (Town), AZ (1)		26.40	26.40	34.20	42.00	57.00	60.60	58.20	60.00	57.00	44.40	39.00	34.20	539
Ehrenburg Improvement Assoc., AZ		13.80	15.00	12.00	16.20	18.60	26.40	27.00	25.20	29.40	23.40	23.40	16.80	247
Parker Dam/Govt. Camp, CA (2)		5.00	5.00	7.00	7.00	19.00	26.00	19.00	27.00	21.00	13.00	6.00	5.00	160
BLM Permitees, CA (3)		12.71	10.52	13.31	16.82	20.38	20.86	21.84	23.86	29.05	19.82	18.19	14.48	222
BLM Permitees, AZ (4)		22.57	21.20	33.14	43.07	37.60	71.84	65.41	31.29	28.10	75.98	62.47	34.46	527
Brooke Water L.L.C., AZ		15.00	14.40	16.80	19.20	25.20	27.00	25.80	25.20	22.80	19.80	18.00	15.00	244
CRIT Domestic, AZ (5)		4.93	4.93	4.24	5.36	5.50	6.78	6.60	5.92	5.91	5.64	5.22	4.08	65
----------		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, Hidden Shores, and Betty's Kitchen (beginning in April).														
(5) - Monthly consumptive use is 60% of [gallons used (per Town of Parker report) + 6% estimated losses].														
Use Estimated by Per-Capita 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	
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		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**		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**		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**		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		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		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)		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**		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
* - Based on 0.14 acre feet per year (0.012 acre feet per month). 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														

2001 LCRAS		Sheet F			2001	ETcrop OUTFLOW COMPONENT							
Parker Dam to Imperial Dam Water Balance Table													
(Sheet to calculate outflow component ETcrop)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
ETag, Agricultural Evapotranspiration													
Total	13649	26367	37445	70590	103065	105057	112867	102497	95341	42131	26829	25887	761725
Diverter													
Arkelian Farm, AZ	0	0	0	28	70	159	261	284	230	39	11	4	1086
Bernal Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Cibola Valley I&DD, AZ	141	272	343	857	1511	2078	2783	2817	2362	567	282	275	14289
Cibola NWR, AZ	126	239	342	627	942	889	817	759	794	435	291	249	6511
Cibola NWR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Clark Farm, CA	12	24	32	57	83	79	80	76	75	40	26	25	609
CRIR, AZ	6258	12264	17432	32477	46590	46579	49590	43870	41240	18703	11997	11908	338909
CRIR, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehrenberg Farm, AZ	42	66	76	189	311	380	461	357	309	147	90	75	2503
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	17	33	43	76	111	107	108	102	101	53	35	34	819
PVID, AZ	9	18	24	48	76	92	113	113	100	34	19	19	667
PVID, CA	7022	13418	19080	36096	53177	54503	58468	54003	50035	22043	14032	13264	395142
Picacho SRA, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
South Lyn-de Farm, CA	0	0	16	46	72	70	64	9	0	0	0	0	277
State of AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
State of CA	22	32	58	87	121	121	121	106	94	71	46	34	914
----------	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet G			2001	ETpht OUTFLOW COMPONENT							
Parker Dam to Imperial Dam Water Balance Table													
(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													
Total	5198	6654	14482	29260	54236	57916	58347	51601	45291	27263	10501	4002	364752
Diverter													
Arkelian Farm, AZ	45	58	109	202	377	404	407	360	316	197	82	35	2591
Bernal Farm, CA	16	21	46	98	188	202	203	180	158	96	36	12	1256
Cibola Valley I&DD, AZ	96	123	252	499	935	999	1004	888	781	482	190	74	6322
Cibola NWR, AZ	627	802	1845	3926	7333	7817	7945	7031	6138	3650	1344	467	48925
Cibola NWR, CA	244	313	716	1556	2971	3190	3209	2838	2492	1467	531	176	19705
Clark Farm, CA	2	3	6	10	20	21	21	19	17	10	4	2	135
CRIR, AZ	2072	2651	5626	11246	20916	22330	22467	19867	17462	10807	4245	1601	141291
CRIR, CA	530	678	1428	2868	5364	5744	5779	5110	4489	2729	1059	405	36184
Ehrenberg Farm, AZ	0	0	0	0	0	0	0	0	0	0	0	0	1
Imperial NWR, AZ	361	463	1132	2270	4023	4267	4293	3796	3330	1854	691	288	26767
Imperial NWR, CA	246	315	804	1686	3043	3237	3256	2879	2526	1412	505	188	20099
North Lyn-de Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	1
PVID, AZ	8	10	24	49	89	94	94	84	73	44	17	6	591
PVID, CA	144	185	364	680	1246	1330	1338	1183	1040	642	267	116	8536
Picacho SRA, CA	63	80	187	381	692	739	743	657	577	331	124	49	4623
South Lyn-de Farm, CA	0	0	0	0	0	0	0	0	0	0	0	0	3
State of AZ	321	411	833	1606	2971	3181	3200	2830	2485	1494	597	253	20184
State of CA	423	541	1110	2182	4067	4360	4386	3878	3406	2047	807	330	27537
----------	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS			Sheet H, Page 1 of 2			2001	E and Qds OUTFLOW COMPONENTS							
Parker Dam to Imperial Dam Water Balance Table						(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		336113	421409	525712	667948	655324	613308	662020	564985	515354	465780	386020	334981	6148954
Imperial Dam (1)														
Station			from USGS Arizona/California District databases and USBR AVM Records (see data files park2imp.xls & 01sta3avm.xls											
AAC Station 60		285700	347200	443100	556500	506300	482500	517300	437200	373500	359800	301600	277900	4888600
GGMC Station 30 (AVM)		29762	36321	48692	76225	107502	101385	95818	76203	82701	74229	56027	37743	822608
Mittry Lake		861	598	1110	893	922	893	922	922	833	861	833	778	10426
Colo River Sluiceway		19790	37290	32810	34330	40600	28530	47980	50660	58320	30890	27560	18560	427320
(1) - Flow exiting dam is the total of measurements made at All-American Canal (AAC) Station 60, Gila Gravity Main Canal (GGMC) Station 30 ,														
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		900	1558	2652	6579	9133	9595	9137	8371	7412	5617	3674	2097	66724
Colorado River, Sec1 (2)	acres	4008	4008	4008	4008	4008	4008	4008	4008	4008	4008	4008	4008	
	Ac-ft	197	473	871	2068	2900	3007	2836	2572	2354	1785	1125	624	20812
Colorado River, Sec2 (2)	acres	3959	3959	3959	3959	3959	3959	3959	3959	3959	3959	3959	3959	
	Ac-ft	195	467	860	2043	2864	2970	2801	2541	2326	1763	1111	616	20557
Colorado River, Sec3 (2)	acres	4601	4601	4601	4601	4601	4601	4601	4601	4601	4601	4601	4601	
	Ac-ft	474	566	835	2251	3070	3302	3197	2980	2489	1885	1315	786	23150
Senator Wash	acres	242	242	242	242	242	242	242	242	242	242	242	242	
	Ac-ft	25	30	44	118	161	174	168	157	131	99	69	41	1218
Cibola Lake	acres	190	190	190	190	190	190	190	190	190	190	190	190	
	Ac-ft	9	22	41	98	137	143	134	122	112	85	53	30	987
----------	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) - Colorado River Sec 1 is Parker Dam to Palo Verde Dam; Colorado River Sec 2 is Palo Verde Dam to Imperial NWR; & Colorado River Sec 3 is Imperial NWR to Imperial Dam														
Evaporation coefficient, monthly (Jensen, 2002)														
		0.68	0.72	0.83	0.93	0.91	0.93	0.92	0.92	0.93	0.97	0.98	0.77	
Reference ET, inches			(THESE VALUES FROM ANOTHER WORKSHEET)											
CRIT-PVID (averaged)		2.28	2.91	4.84	6.68	9.54	9.68	9.74	8.61	7.58	5.52	3.55	2.49	73.42
Yuma Area (Averaged)		2.73	3.23	4.83	6.41	8.80	9.26	9.27	8.73	6.98	5.12	3.52	2.74	71.62
Evaporation, inches (Evaporation = Reference ET X Evaporation coefficient)														
CRIT-PVID (averaged)		1.55	2.10	4.02	6.21	8.68	9.00	8.96	7.92	7.05	5.35	3.48	1.92	66.24
Yuma Area (Averaged)		1.86	2.33	4.01	5.96	8.01	8.61	8.53	8.03	6.49	4.97	3.45	2.11	64.35
Precipitation, inches			(THESE VALUES FROM ANOTHER WORKSHEET)											
CRIT-PVID (averaged)		0.96	0.68	1.41	0.02	0.00	0.00	0.47	0.22	0.00	0.01	0.11	0.05	3.93
Yuma Area (Averaged)		0.62	0.85	1.83	0.09	0.00	0.00	0.19	0.26	0.00	0.05	0.02	0.06	3.97

2000 LCRAS			Sheet H, Page 2 of 2			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	14	33	61	144	202	210	198	179	164	124	78	43	1450
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	35	84	155	368	516	535	504	457	419	317	200	111	3700
(3) - Open water surface area of larger canals, distribution laterals, and storage ponds distinguishable on 10 meter IRS imagery														

2001 LCRAS		Sheet I, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	28	70	159	261	284	230	39	11	4	1086
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	45	58	109	202	377	404	407	360	316	197	82	35	2591
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	28	70	159	261	279	215	21	0	0	1033
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	5	15	18	11	4	53
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet I, Page 2 of 5			2001	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
Arkelian Farm, AZ													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	2
Barren	14	18	22	18	24	25	25	22	19	15	14	13	228
Sc-low	8	10	20	45	92	103	103	91	80	46	16	5	622
Sc-high	5	6	15	33	65	69	70	62	54	31	11	3	423
Sc/ms	2	2	6	13	26	28	29	25	22	13	4	1	173
Sc/aw	2	2	5	11	22	24	24	21	19	11	4	1	146
Sc/ms/aw	0	1	1	3	6	7	7	6	5	3	1	0	41
Ms-low	9	11	24	46	84	89	90	79	70	47	18	6	573
Ms-high	0	1	1	3	5	5	5	5	4	3	1	0	33
Ms/aw	0	1	1	3	5	5	5	5	4	3	1	0	34
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	5	6	13	26	47	49	49	43	38	25	11	4	316
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet I, Page 3 of 5			2001	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	386	386	386	386	386	386	386	386	386	386	386	386	
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	347.26	347.26	347.26	347.26	347.26	347.26	347.26	347.26	347.26	347.26	347.26	347.26	
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	38.91	38.91	38.91	38.91	38.91	38.91	38.91	38.91	38.91	38.91	38.91	38.91	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet I, Page 4 of 5			2001	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	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	
Barren	222.99	222.99	222.99	222.99	222.99	222.99	222.99	222.99	222.99	222.99	222.99	222.99	
Sc-low	130.73	130.73	130.73	130.73	130.73	130.73	130.73	130.73	130.73	130.73	130.73	130.73	
Sc-high	78.46	78.46	78.46	78.46	78.46	78.46	78.46	78.46	78.46	78.46	78.46	78.46	
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	136.68	136.68	136.68	136.68	136.68	136.68	136.68	136.68	136.68	136.68	136.68	136.68	
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	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	70.37	70.37	70.37	70.37	70.37	70.37	70.37	70.37	70.37	70.37	70.37	70.37	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet I, Page 5 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table					(Sheet to calculate ET for Arkelian Farm, AZ)								
Monthly ET values, inches (from PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet J, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(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	16	21	46	98	188	202	203	180	158	96	36	12	1256
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet J, Page 2 of 5			2001	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
Bernal Farm, CA													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	2	2	2	2	3	3	3	2	2	2	2	1	26
Sc-low	1	1	2	5	9	10	10	9	8	5	2	1	62
Sc-high	2	2	6	13	25	27	27	24	21	12	4	1	165
Sc/ms	3	4	10	24	47	51	51	45	39	23	8	2	307
Sc/aw	1	2	4	9	18	20	20	17	15	9	3	1	119
Sc/ms/aw	2	3	7	15	29	31	32	28	25	16	6	2	195
Ms-low	0	1	1	3	5	5	5	5	4	3	1	0	33
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	3	8	16	32	35	35	31	27	17	6	2	215
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	2	3	6	11	20	20	21	18	16	11	5	2	133
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet J, Page 3 of 5			2001	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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet J, Page 4 of 5			2001	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 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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet J, Page 5 of 5			2001	TOTAL DIVERTER ET						
Parker Dam to Imperial Dam Water Balance Table					(Sheet to calculate ET for Bernal Farm, CA)							
Monthly ET values, inches (from PCarea01.xlw)												
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet K, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD])													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	141	272	343	857	1511	2078	2783	2817	2362	567	282	275	14289
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	96	123	252	499	935	999	1004	888	781	482	190	74	6322
Monthly ET values													
Alfalfa-perennial	124	246	318	571	828	796	807	759	756	397	258	254	6113
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	190	476	1073	1766	1886	1455	143	0	0	6989
Small Grain	4	8	14	19	9	0	0	0	0	0	1	2	57
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	3	8	10	6	2	29
Bermuda	0	0	0	66	181	192	193	168	143	6	0	0	949
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	3	11	17	17	17	2	0	0	0	0	67
Legume/Solanum Veg	13	19	7	0	0	0	0	0	0	12	17	16	84
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet K, Page 2 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD])													
(All values in acre-feet)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Cibola Valley I&DD, AZ													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	21	27	34	27	37	37	37	33	29	23	21	20	347
Sc-low	5	7	13	30	61	69	69	61	53	31	11	4	415
Sc-high	22	29	66	150	293	315	317	281	246	141	48	15	1924
Sc/ms	7	8	20	46	91	98	99	87	76	44	15	4	595
Sc/aw	3	4	9	21	42	45	45	40	35	20	7	2	274
Sc/ms/aw	2	2	5	12	23	25	25	22	19	12	4	1	152
Ms-low	14	17	38	74	133	142	143	126	111	75	29	9	911
Ms-high	4	5	11	25	45	46	47	41	36	24	10	3	297
Ms/aw	4	6	14	30	55	56	57	50	44	29	11	3	360
Aw	7	8	18	39	75	83	83	74	65	40	15	5	512
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	8	10	23	44	79	82	83	73	65	43	19	7	536
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet K, Page 3 of 5			2001	TOTAL DIVERTER ET						
Parker Dam to Imperial Dam Water Balance Table												
(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD])												
	January	February	March	April	May	June	July	August	September	October	November	December
Cibola Valley I&DD, AZ												
Acreages (acres)												
Total Agricultural Acres	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915
Alfalfa-perennial	1133.57	1133.57	1133.57	1133.57	1133.57	1133.57	1133.57	1133.57	1133.57	1133.57	1133.57	1133.57
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	2349.93	2349.93	2349.93	2349.93	2349.93	2349.93	2349.93	2349.93	2349.93	2349.93	2349.93	2349.93
Small Grain	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
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	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52
Bermuda	279.32	279.32	279.32	279.32	279.32	279.32	279.32	279.32	279.32	279.32	279.32	279.32
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	18.57	18.57	18.57	18.57	18.57	18.57	18.57	18.57	18.57	18.57	18.57	18.57
Legume/Solanum Veg	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44	80.44
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet K, Page 4 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD])													
	January	February	March	April	May	June	July	August	September	October	November	December	
Cibola Valley I&DD, AZ													
Acreages (acres)													
Total Phreatophyte Acres	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	
Barren	339.06	339.06	339.06	339.06	339.06	339.06	339.06	339.06	339.06	339.06	339.06	339.06	
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	356.38	356.38	356.38	356.38	356.38	356.38	356.38	356.38	356.38	356.38	356.38	356.38	
Sc/ms	104.07	104.07	104.07	104.07	104.07	104.07	104.07	104.07	104.07	104.07	104.07	104.07	
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	217.19	217.19	217.19	217.19	217.19	217.19	217.19	217.19	217.19	217.19	217.19	217.19	
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	104.00	104.00	104.00	104.00	104.00	104.00	104.00	104.00	104.00	104.00	104.00	104.00	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet K, Page 5 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table				(Sheet to calculate ET for Cibola Valley Irrigation and Drainage District [I&DD])									
Monthly ET values, inches (from PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet L, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	126	239	342	627	942	889	817	759	794	435	291	249	6511
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	627	802	1845	3926	7333	7817	7945	7031	6138	3650	1344	467	48925
Monthly ET values													
Alfalfa-perennial	92	183	238	426	618	594	602	566	564	296	192	190	4561
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	13	26	44	62	27	0	0	0	0	0	3	8	182
Field Grain	0	0	13	56	104	93	12	0	0	0	0	0	277
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	3	4	2	0	0	0	0	0	0	0	0	1	9
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	0	0	0	0	0	0	0	27	78	92	60	23	279
Bermuda	0	0	0	50	138	146	147	127	109	5	0	0	721
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	3	10	15	15	15	2	0	0	0	0	61
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	3	5	12	24	41	42	42	37	33	24	15	8	284
Small Vegetables	15	21	30	0	0	0	0	0	11	18	21	20	137
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet L, Page 2 of 5			2001	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
Cibola NWR, AZ													
Monthly ET values													
Marsh	19	24	129	255	365	370	372	329	287	105	29	20	2305
Barren	35	44	55	44	60	61	61	54	48	38	35	33	567
Sc-low	51	66	125	286	581	647	652	576	505	291	102	34	3917
Sc-high	137	175	407	921	1802	1937	1948	1723	1512	864	295	91	11812
Sc/ms	97	125	298	692	1364	1469	1478	1306	1147	654	221	65	8915
Sc/aw	45	58	137	313	614	661	665	587	516	295	100	30	4022
Sc/ms/aw	22	28	72	158	305	327	329	291	256	165	59	16	2028
Ms-low	43	55	121	234	423	449	452	400	352	238	92	30	2890
Ms-high	35	45	114	247	448	461	464	410	361	237	97	31	2948
Ms/aw	30	39	96	205	370	380	383	338	298	194	76	23	2434
Aw	59	76	167	356	687	757	762	674	593	365	135	42	4673
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	25	32	72	141	252	263	264	234	205	137	59	21	1705
Moist Soil Unit	24	31	50	69	58	32	110	102	53	58	37	26	650
Seasonal Wetland	3	4	5	5	6	3	7	6	6	7	5	3	60

2001 LCRAS		Sheet L, Page 3 of 5			2001	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	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665
Alfalfa-perennial	845.85	845.85	845.85	845.85	845.85	845.85	845.85	845.85	845.85	845.85	845.85	845.85
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	101.73	101.73	101.73	101.73	101.73	101.73	101.73	101.73	101.73	101.73	101.73	101.73
Field Grain	108.73	108.73	108.73	108.73	108.73	108.73	108.73	108.73	108.73	108.73	108.73	108.73
Lettuce-early	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-late	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06
Melons-spring	0	0	0	0	0	0	0	0	0	0	0	0
Melons-fall	205.00	205.00	205.00	205.00	205.00	205.00	205.00	205.00	205.00	205.00	205.00	205.00
Bermuda	212.14	212.14	212.14	212.14	212.14	212.14	212.14	212.14	212.14	212.14	212.14	212.14
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	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77
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	97.30	97.30	97.30	97.30	97.30	97.30	97.30	97.30	97.30	97.30	97.30	97.30
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet L, Page 4 of 5			2001	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 Phreatophyte Acres	9793	9793	9793	9793	9793	9793	9793	9793	9793	9793	9793	9793	
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	554.05	554.05	554.05	554.05	554.05	554.05	554.05	554.05	554.05	554.05	554.05	554.05	
Sc-low	823.94	823.94	823.94	823.94	823.94	823.94	823.94	823.94	823.94	823.94	823.94	823.94	
Sc-high	2188.42	2188.42	2188.42	2188.42	2188.42	2188.42	2188.42	2188.42	2188.42	2188.42	2188.42	2188.42	
Sc/ms	1559.89	1559.89	1559.89	1559.89	1559.89	1559.89	1559.89	1559.89	1559.89	1559.89	1559.89	1559.89	
Sc/aw	725.28	725.28	725.28	725.28	725.28	725.28	725.28	725.28	725.28	725.28	725.28	725.28	
Sc/ms/aw	349.58	349.58	349.58	349.58	349.58	349.58	349.58	349.58	349.58	349.58	349.58	349.58	
Ms-low	688.78	688.78	688.78	688.78	688.78	688.78	688.78	688.78	688.78	688.78	688.78	688.78	
Ms-high	561.60	561.60	561.60	561.60	561.60	561.60	561.60	561.60	561.60	561.60	561.60	561.60	
Ms/aw	485.11	485.11	485.11	485.11	485.11	485.11	485.11	485.11	485.11	485.11	485.11	485.11	
Aw	948.95	948.95	948.95	948.95	948.95	948.95	948.95	948.95	948.95	948.95	948.95	948.95	
Cw	0	0	0	0	0	0	0	0	0	0	0	0	
Low Veg	379.20	379.20	379.20	379.20	379.20	379.20	379.20	379.20	379.20	379.20	379.20	379.20	
Moist Soil Unit	125.87	125.87	125.87	125.87	125.87	125.87	125.87	125.87	125.87	125.87	125.87	125.87	
Seasonal Wetland	16.02	16.02	16.02	16.02	16.02	16.02	16.02	16.02	16.02	16.02	16.02	16.02	

2001 LCRAS		Sheet L, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet M, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(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	244	313	716	1556	2971	3190	3209	2838	2492	1467	531	176	19705
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet M, Page 2 of 5			2001	TOTAL DIVERTER ET							
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
Cibola NWR, CA													
Monthly ET values													
Marsh	5	6	32	62	89	90	91	80	70	26	7	5	563
Barren	10	13	16	13	18	18	18	16	14	11	10	10	167
Sc-low	29	37	71	162	329	367	369	326	286	165	58	19	2220
Sc-high	78	100	233	527	1031	1108	1114	986	865	495	169	52	6757
Sc/ms	28	36	85	198	390	420	423	374	328	187	63	19	2550
Sc/aw	20	25	60	137	270	290	292	258	227	129	44	13	1766
Sc/ms/aw	8	10	25	55	106	113	114	101	89	57	21	6	704
Ms-low	7	9	19	37	67	72	72	64	56	38	15	5	460
Ms-high	10	12	31	67	121	125	126	111	98	64	26	8	799
Ms/aw	7	8	21	45	81	83	84	74	65	42	17	5	532
Aw	20	26	57	122	235	258	260	230	203	125	46	14	1595
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	24	30	67	132	235	245	247	218	192	128	55	20	1593
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet M, Page 3 of 5			2001	TOTAL DIVERTER ET							
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet M, Page 4 of 5			2001	TOTAL DIVERTER ET							
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet M, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet N, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	12	24	32	57	83	79	80	76	75	40	26	25	609
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	2	3	6	10	20	21	21	19	17	10	4	2	135
Monthly ET values													
Alfalfa-perennial	12	24	32	57	83	79	80	76	75	40	26	25	609
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet N, Page 2 of 5			2001	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
Clark Farm, CA													
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	1	1	1	1	1	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	5	5	5	5	4	2	1	0	31
Sc/aw	0	0	1	1	2	2	2	2	2	1	0	0	15
Sc/ms/aw	0	0	0	1	2	2	2	2	2	1	0	0	13
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	5	3	1	0	41
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	2	1	0	19
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet N, Page 3 of 5			2001	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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet N, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet N, Page 5 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table					(Sheet to calculate ET for Clark Farm, CA)								
Monthly ET values, inches (from PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet O, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	6258	12264	17432	32477	46590	46579	49590	43870	41240	18703	11997	11908	338909
On-District Open-Water Evap. (from Sheet H)													
CRIR, AZ	14	33	61	144	202	210	198	179	164	124	78	43	1450
Total Phreatophyte ET													
CRIR, AZ	2072	2651	5626	11246	20916	22330	22467	19867	17462	10807	4245	1601	141291
Monthly ET values													
Alfalfa-perennial	5465	10847	14060	25199	36589	35170	35629	33501	33376	17523	11390	11223	269972
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	801	2007	4527	7451	7955	6138	603	0	0	29482
Small Grain	538	1051	1808	2541	1117	0	0	0	0	0	122	314	7492
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	25	24	0	49
Lettuce-late	12	19	8	0	0	0	0	0	0	0	0	5	45
Melons-spring	0	-4	129	288	415	249	0	0	0	0	0	0	1077
Melons-fall	0	0	0	0	0	0	0	29	84	100	65	25	302
Bermuda	0	0	0	609	1664	1760	1771	1538	1314	58	0	0	8712
Bermuda w/ rye	2	3	4	3	9	9	9	8	7	3	3	3	63
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	945	2883	4572	4639	4517	647	0	0	0	0	18204
Legume/Solanum Veg	9	12	5	0	0	0	0	0	0	8	11	11	55
Crucifers	11	15	2	0	0	0	0	0	0	14	12	13	67
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	3	7	11	11	12	10	9	7	4	2	79
Small Vegetables	207	287	406	0	0	0	0	0	148	239	289	269	1844
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	1	2	4	4	3	2	1	0	0	0	16
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet O, Page 2 of 5			2001	TOTAL DIVERTER ET							
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
CRIR, AZ													
Monthly ET values													
Marsh	27	35	185	365	522	530	533	471	411	151	41	29	3300
Barren	394	505	626	500	684	694	694	615	542	431	400	379	6463
Sc-low	191	245	464	1061	2157	2404	2419	2139	1876	1081	380	127	14545
Sc-high	97	124	288	653	1277	1372	1380	1221	1071	613	209	65	8370
Sc/ms	194	248	591	1374	2710	2919	2937	2596	2278	1299	439	129	17714
Sc/aw	121	155	364	834	1635	1759	1771	1565	1375	785	267	80	10710
Sc/ms/aw	107	137	354	779	1497	1606	1616	1429	1258	810	292	79	9964
Ms-low	290	372	813	1580	2854	3032	3051	2699	2374	1607	623	201	19497
Ms-high	145	186	470	1019	1851	1903	1917	1694	1491	981	400	128	12184
Ms/aw	141	181	446	953	1721	1770	1781	1574	1386	905	355	109	11321
Aw	237	304	668	1425	2752	3030	3049	2698	2375	1463	541	168	18710
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	126	161	358	704	1258	1311	1319	1166	1026	682	297	107	8514
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet O, Page 3 of 5			2001	TOTAL DIVERTER ET						
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 Agricultural Acres	74160	74160	74160	74160	74160	74160	74160	74160	74160	74160	74160	74160
* - Includes 46.52 acres of klein grass in sudan acreage.												
Alfalfa-perennial	50064.35	50064.35	50064.35	50064.35	50064.35	50064.35	50064.35	50064.35	50064.35	50064.35	50064.35	50064.35
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	9912.82	9912.82	9912.82	9912.82	9912.82	9912.82	9912.82	9912.82	9912.82	9912.82	9912.82	9912.82
Small Grain	4189.19	4189.19	4189.19	4189.19	4189.19	4189.19	4189.19	4189.19	4189.19	4189.19	4189.19	4189.19
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0
Lettuce-early	89.85	89.85	89.85	89.85	89.85	89.85	89.85	89.85	89.85	89.85	89.85	89.85
Lettuce-late	85.49	85.49	85.49	85.49	85.49	85.49	85.49	85.49	85.49	85.49	85.49	85.49
Melons-spring	522.80	522.80	522.80	522.80	522.80	522.80	522.80	522.80	522.80	522.80	522.80	522.80
Melons-fall	221.30	221.30	221.30	221.30	221.30	221.30	221.30	221.30	221.30	221.30	221.30	221.30
Bermuda	2562.93	2562.93	2562.93	2562.93	2562.93	2562.93	2562.93	2562.93	2562.93	2562.93	2562.93	2562.93
Bermuda w/ rye	13.70	13.70	13.70	13.70	13.70	13.70	13.70	13.70	13.70	13.70	13.70	13.70
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*	5042.66	5042.66	5042.66	5042.66	5042.66	5042.66	5042.66	5042.66	5042.66	5042.66	5042.66	5042.66
Legume/Solanum Veg	53.17	53.17	53.17	53.17	53.17	53.17	53.17	53.17	53.17	53.17	53.17	53.17
Crucifers	68.67	68.67	68.67	68.67	68.67	68.67	68.67	68.67	68.67	68.67	68.67	68.67
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	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44
Small Vegetables	1311.76	1311.76	1311.76	1311.76	1311.76	1311.76	1311.76	1311.76	1311.76	1311.76	1311.76	1311.76
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	5.34	5.34	5.34	5.34	5.34	5.34	5.34	5.34	5.34	5.34	5.34	5.34
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet O, Page 4 of 5			2001	TOTAL DIVERTER ET							
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	33139	33139	33139	33139	33139	33139	33139	33139	33139	33139	33139	33139	
Marsh	552.32	552.32	552.32	552.32	552.32	552.32	552.32	552.32	552.32	552.32	552.32	552.32	
Barren	6310.79	6310.79	6310.79	6310.79	6310.79	6310.79	6310.79	6310.79	6310.79	6310.79	6310.79	6310.79	
Sc-low	3059.32	3059.32	3059.32	3059.32	3059.32	3059.32	3059.32	3059.32	3059.32	3059.32	3059.32	3059.32	
Sc-high	1550.64	1550.64	1550.64	1550.64	1550.64	1550.64	1550.64	1550.64	1550.64	1550.64	1550.64	1550.64	
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	1931.53	1931.53	1931.53	1931.53	1931.53	1931.53	1931.53	1931.53	1931.53	1931.53	1931.53	1931.53	
Sc/ms/aw	1717.67	1717.67	1717.67	1717.67	1717.67	1717.67	1717.67	1717.67	1717.67	1717.67	1717.67	1717.67	
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	2256.62	2256.62	2256.62	2256.62	2256.62	2256.62	2256.62	2256.62	2256.62	2256.62	2256.62	2256.62	
Aw	3799.67	3799.67	3799.67	3799.67	3799.67	3799.67	3799.67	3799.67	3799.67	3799.67	3799.67	3799.67	
Cw	0	0	0	0	0	0	0	0	0	0	0	0	
Low Veg	1893.39	1893.39	1893.39	1893.39	1893.39	1893.39	1893.39	1893.39	1893.39	1893.39	1893.39	1893.39	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet O, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet P, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(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	530	678	1428	2868	5364	5744	5779	5110	4489	2729	1059	405	36184
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet P, Page 2 of 5			2001	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
CRIR, CA													
Monthly ET values													
Marsh	9	11	61	120	171	174	175	155	135	50	13	9	1083
Barren	106	135	167	134	183	186	186	165	145	115	107	101	1729
Sc-low	70	90	170	388	789	880	885	783	686	395	139	47	5321
Sc-high	57	73	169	383	749	805	810	716	628	359	123	38	4910
Sc/ms	53	67	161	374	737	794	799	706	619	353	119	35	4817
Sc/aw	31	39	92	211	414	445	448	396	348	199	68	20	2708
Sc/ms/aw	23	29	74	163	314	337	339	300	264	170	61	17	2092
Ms-low	65	83	182	353	638	678	682	603	531	359	139	45	4358
Ms-high	25	32	81	175	319	327	330	292	257	169	69	22	2097
Ms/aw	26	33	82	175	317	326	328	290	255	166	65	20	2083
Aw	41	52	114	243	470	517	521	461	406	250	92	29	3195
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	27	34	75	148	264	276	277	245	216	143	62	23	1791
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet P, Page 3 of 5			2001	TOTAL DIVERTER ET							
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 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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet P, Page 4 of 5			2001	TOTAL DIVERTER ET							
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet P, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet Q, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	42	66	76	189	311	380	461	357	309	147	90	75	2503
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	16	32	41	74	107	103	104	98	98	51	33	33	790
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	23	57	128	211	225	174	17	0	0	835
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	13	38	45	29	11	136
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	30	93	147	149	145	21	0	0	0	0	585
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	26	35	5	0	0	0	0	0	0	34	27	31	157
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Q, Page 2 of 5			2001	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
Ehrenberg Farm, AZ													
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Q, Page 3 of 5			2001	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	851	851	851	851	851	851	851	851	851	851	851	851	
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	280.74	280.74	280.74	280.74	280.74	280.74	280.74	280.74	280.74	280.74	280.74	280.74	
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	99.48	99.48	99.48	99.48	99.48	99.48	99.48	99.48	99.48	99.48	99.48	99.48	
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	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	
Crucifers	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	162.10	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Q, Page 4 of 5			2001	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 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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Q, Page 5 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table					(Sheet to calculate ET for Ehrenberg Farm, AZ)								
Monthly ET values, inches (from PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet R, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(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	361	463	1132	2270	4023	4267	4293	3796	3330	1854	691	288	26767
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet R, Page 2 of 5			2001	TOTAL DIVERTER ET							
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
Imperial NWR, AZ													
Monthly ET values													
Marsh	45	58	308	610	871	884	889	786	686	252	68	48	5504
Barren	71	91	112	90	123	125	125	110	97	77	72	68	1159
Sc-low	35	45	85	195	396	441	444	392	344	198	70	23	2669
Sc-high	51	65	151	343	671	721	726	642	563	322	110	34	4400
Sc/ms	52	67	159	370	729	785	790	698	613	349	118	35	4765
Sc/aw	12	15	36	83	163	176	177	156	137	78	27	8	1070
Sc/ms/aw	5	6	17	36	70	75	76	67	59	38	14	4	467
Ms-low	21	27	58	113	204	216	218	192	169	115	44	14	1390
Ms-high	12	16	40	86	156	161	162	143	126	83	34	11	1030
Ms/aw	14	18	45	97	174	179	180	159	140	92	36	11	1147
Aw	26	33	73	155	300	330	332	294	259	159	59	18	2038
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	17	21	48	93	167	174	175	155	136	90	39	14	1129
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet R, Page 3 of 5			2001	TOTAL DIVERTER ET							
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet R, Page 4 of 5			2001	TOTAL DIVERTER ET							
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet R, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet S, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(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	246	315	804	1686	3043	3237	3256	2879	2526	1412	505	188	20099
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet S, Page 2 of 5			2001	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
Imperial NWR, CA													
Monthly ET values													
Marsh	29	38	199	395	564	573	576	509	444	163	44	31	3567
Barren	22	28	35	28	38	39	39	34	30	24	22	21	362
Sc-low	23	30	56	129	262	292	294	260	228	131	46	15	1765
Sc-high	43	55	127	287	562	604	608	538	472	270	92	28	3686
Sc/ms	45	58	138	320	630	679	683	604	530	302	102	30	4119
Sc/aw	13	17	40	91	179	192	193	171	150	86	29	9	1170
Sc/ms/aw	6	8	21	46	88	95	95	84	74	48	17	5	588
Ms-low	18	22	49	95	172	183	184	163	143	97	38	12	1176
Ms-high	11	14	35	76	137	141	142	126	111	73	30	9	904
Ms/aw	10	12	30	64	116	120	120	106	94	61	24	7	765
Aw	19	25	54	116	224	246	248	219	193	119	44	14	1521
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	7	9	20	39	70	73	74	65	57	38	17	6	476
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet S, Page 3 of 5			2001	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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet S, Page 4 of 5			2001	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 Phreatophyte Acres	4058	4058	4058	4058	4058	4058	4058	4058	4058	4058	4058	4058	
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	353.68	353.68	353.68	353.68	353.68	353.68	353.68	353.68	353.68	353.68	353.68	353.68	
Sc-low	371.17	371.17	371.17	371.17	371.17	371.17	371.17	371.17	371.17	371.17	371.17	371.17	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet S, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet T, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	17	33	43	76	111	107	108	102	101	53	35	34	819
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	1
Monthly ET values													
Alfalfa-perennial	17	33	43	76	111	107	108	102	101	53	35	34	819
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet T, Page 2 of 5			2001	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
North Lyn-de Farm, CA													
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	1
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet T, Page 3 of 5			2001	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	152	152	152	152	152	152	152	152	152	152	152	152	
Alfalfa-perennial	151.88	151.88	151.88	151.88	151.88	151.88	151.88	151.88	151.88	151.88	151.88	151.88	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet T, Page 4 of 5			2001	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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet T, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet U, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	9	18	24	48	76	92	113	113	100	34	19	19	667
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	8	10	24	49	89	94	94	84	73	44	17	6	591
Monthly ET values													
Alfalfa-perennial	9	18	24	43	62	60	60	57	57	30	19	19	458
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	6	14	32	53	57	44	4	0	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	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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet U, Page 2 of 5			2001	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
PVID, AZ													
Monthly ET values													
Marsh	0	1	3	5	8	8	8	7	6	2	1	0	49
Barren	1	1	1	1	1	1	1	1	1	1	1	1	9
Sc-low	1	1	2	4	8	9	9	8	7	4	1	0	56
Sc-high	1	1	2	4	9	9	9	8	7	4	1	0	57
Sc/ms	0	0	1	2	5	5	5	5	4	2	1	0	31
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	6	7	7	6	5	4	1	0	44
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	2
Ms/aw	2	3	7	15	27	28	28	25	22	14	6	2	178
Aw	1	2	4	9	17	19	19	17	15	9	3	1	116
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	1	2	4	7	8	8	7	6	4	2	1	49
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet U, Page 3 of 5			2001	TOTAL DIVERTER ET							
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	155	155	155	155	155	155	155	155	155	155	155	155	
Alfalfa-perennial	84.85	84.85	84.85	84.85	84.85	84.85	84.85	84.85	84.85	84.85	84.85	84.85	
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	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet U, Page 4 of 5			2001	TOTAL DIVERTER ET							
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet U, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet V, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	7022	13418	19080	36096	53177	54503	58468	54003	50035	22043	14032	13264	395142
On-District Open-Water Evap. (from Sheet H)													
PVID, CA	35	84	155	368	516	535	504	457	419	317	200	111	3700
Total Phreatophyte ET													
PVID, CA	144	185	364	680	1246	1330	1338	1183	1040	642	267	116	8536
Monthly ET values													
Alfalfa-perennial	5674	11261	14595	26159	37983	36510	36986	34778	34648	18190	11824	11650	280257
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	1510	3782	8529	14038	14988	11564	1136	0	0	55547
Small Grain	462	903	1555	2185	960	0	0	0	0	0	105	270	6441
Field Grain	0	0	29	127	237	212	27	0	0	0	0	0	634
Lettuce-early	0	0	0	0	0	0	0	0	0	298	283	0	581
Lettuce-late	103	161	72	0	0	0	0	0	0	0	0	46	381
Melons-spring	0	-30	903	2006	2896	1735	0	0	0	0	0	0	7510
Melons-fall	0	0	0	0	0	0	0	215	625	740	479	182	2241
Bermuda	0	0	0	706	1930	2042	2054	1784	1524	67	0	0	10107
Bermuda w/ rye	105	141	217	182	498	527	530	460	393	162	196	141	3552
Citrus-young	69	109	191	297	405	400	402	355	320	249	165	126	3087
Citrus-mature	103	144	241	351	480	474	477	422	380	295	199	149	3717
Citrus-declining	9	13	23	35	47	47	47	42	37	29	19	15	363
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	708	2158	3422	3473	3382	484	0	0	0	0	13627
Legume/Solanum Veg	70	96	37	0	0	0	0	0	0	60	87	86	436
Crucifers	236	319	45	0	0	0	0	0	0	309	252	284	1444
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	2	3	6	12	20	20	21	18	16	12	7	4	140
Small Vegetables	154	215	303	0	0	0	0	0	110	179	216	201	1378
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet V, Page 2 of 5			2001	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
PVID, CA													
Monthly ET values													
Marsh	3	3	18	36	51	52	52	46	40	15	4	3	325
Barren	45	58	72	57	78	79	79	70	62	49	46	43	739
Sc-low	18	23	43	98	200	223	225	199	174	100	35	12	1350
Sc-high	7	9	21	48	94	101	102	90	79	45	15	5	618
Sc/ms	9	12	29	66	131	141	142	125	110	63	21	6	854
Sc/aw	7	8	20	45	89	96	96	85	75	43	15	4	583
Sc/ms/aw	4	5	13	28	53	57	57	51	45	29	10	3	354
Ms-low	13	17	38	73	133	141	142	125	110	75	29	9	905
Ms-high	1	1	4	8	15	15	15	14	12	8	3	1	98
Ms/aw	6	8	19	40	73	75	75	66	58	38	15	5	477
Aw	10	13	28	60	116	128	129	114	100	62	23	7	790
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	21	27	61	119	213	222	224	198	174	116	50	18	1443
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet V, Page 3 of 5			2001	TOTAL DIVERTER ET						
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 Agricultural Acres	94644	94644	94644	94644	94644	94644	94644	94644	94644	94644	94644	94644
* - Includes 627.53 acres of klein grass and 196.34 acres of timothy grass in sudan acreage.												
Alfalfa-perennial	51971.59	51971.59	51971.59	51971.59	51971.59	51971.59	51971.59	51971.59	51971.59	51971.59	51971.59	51971.59
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	18676.36	18676.36	18676.36	18676.36	18676.36	18676.36	18676.36	18676.36	18676.36	18676.36	18676.36	18676.36
Small Grain	3601.84	3601.84	3601.84	3601.84	3601.84	3601.84	3601.84	3601.84	3601.84	3601.84	3601.84	3601.84
Field Grain	249.09	249.09	249.09	249.09	249.09	249.09	249.09	249.09	249.09	249.09	249.09	249.09
Lettuce-early	1067.52	1067.52	1067.52	1067.52	1067.52	1067.52	1067.52	1067.52	1067.52	1067.52	1067.52	1067.52
Lettuce-late	729.66	729.66	729.66	729.66	729.66	729.66	729.66	729.66	729.66	729.66	729.66	729.66
Melons-spring	3647.19	3647.19	3647.19	3647.19	3647.19	3647.19	3647.19	3647.19	3647.19	3647.19	3647.19	3647.19
Melons-fall	1643.77	1643.77	1643.77	1643.77	1643.77	1643.77	1643.77	1643.77	1643.77	1643.77	1643.77	1643.77
Bermuda	2973.39	2973.39	2973.39	2973.39	2973.39	2973.39	2973.39	2973.39	2973.39	2973.39	2973.39	2973.39
Bermuda w/ rye	766.81	766.81	766.81	766.81	766.81	766.81	766.81	766.81	766.81	766.81	766.81	766.81
Citrus-young	1449.07	1449.07	1449.07	1449.07	1449.07	1449.07	1449.07	1449.07	1449.07	1449.07	1449.07	1449.07
Citrus-mature	1030.80	1030.80	1030.80	1030.80	1030.80	1030.80	1030.80	1030.80	1030.80	1030.80	1030.80	1030.80
Citrus-declining	145.15	145.15	145.15	145.15	145.15	145.15	145.15	145.15	145.15	145.15	145.15	145.15
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	3774.75	3774.75	3774.75	3774.75	3774.75	3774.75	3774.75	3774.75	3774.75	3774.75	3774.75	3774.75
Legume/Solanum Veg	418.21	418.21	418.21	418.21	418.21	418.21	418.21	418.21	418.21	418.21	418.21	418.21
Crucifers	1488.79	1488.79	1488.79	1488.79	1488.79	1488.79	1488.79	1488.79	1488.79	1488.79	1488.79	1488.79
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	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22
Small Vegetables	980.42	980.42	980.42	980.42	980.42	980.42	980.42	980.42	980.42	980.42	980.42	980.42
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet V, Page 4 of 5			2001	TOTAL DIVERTER ET							
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	2301	2301	2301	2301	2301	2301	2301	2301	2301	2301	2301	2301	
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	721.49	721.49	721.49	721.49	721.49	721.49	721.49	721.49	721.49	721.49	721.49	721.49	
Sc-low	284.06	284.06	284.06	284.06	284.06	284.06	284.06	284.06	284.06	284.06	284.06	284.06	
Sc-high	114.53	114.53	114.53	114.53	114.53	114.53	114.53	114.53	114.53	114.53	114.53	114.53	
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	105.08	105.08	105.08	105.08	105.08	105.08	105.08	105.08	105.08	105.08	105.08	105.08	
Sc/ms/aw	61.05	61.05	61.05	61.05	61.05	61.05	61.05	61.05	61.05	61.05	61.05	61.05	
Ms-low	215.80	215.80	215.80	215.80	215.80	215.80	215.80	215.80	215.80	215.80	215.80	215.80	
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	95.15	95.15	95.15	95.15	95.15	95.15	95.15	95.15	95.15	95.15	95.15	95.15	
Aw	160.43	160.43	160.43	160.43	160.43	160.43	160.43	160.43	160.43	160.43	160.43	160.43	
Cw	0	0	0	0	0	0	0	0	0	0	0	0	
Low Veg	320.94	320.94	320.94	320.94	320.94	320.94	320.94	320.94	320.94	320.94	320.94	320.94	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet V, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet W, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(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	63	80	187	381	692	739	743	657	577	331	124	49	4623
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet W, Page 2 of 5			2001	TOTAL DIVERTER ET							
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
Picacho SRA, CA													
Monthly ET values													
Marsh	5	7	37	73	104	106	106	94	82	30	8	6	658
Barren	9	12	15	12	16	16	16	15	13	10	9	9	153
Sc-low	13	16	31	71	144	160	161	143	125	72	25	8	969
Sc-high	4	5	11	26	50	54	55	48	42	24	8	3	331
Sc/ms	6	7	18	41	81	88	88	78	68	39	13	4	531
Sc/aw	4	6	13	30	58	63	63	56	49	28	10	3	382
Sc/ms/aw	1	1	4	8	16	17	17	15	14	9	3	1	107
Ms-low	2	3	7	13	24	25	25	22	20	13	5	2	162
Ms-high	0	0	1	2	4	4	4	4	3	2	1	0	26
Ms/aw	5	7	17	37	67	69	69	61	54	35	14	4	438
Aw	6	7	16	34	65	72	72	64	56	35	13	4	442
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	6	8	18	35	63	65	66	58	51	34	15	5	423
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet W, Page 3 of 5			2001	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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet W, Page 4 of 5			2001	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 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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet W, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet X, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	16	46	72	70	64	9	0	0	0	0	277
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	2	5	7	4	0	0	0	0	0	0	18
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	13	41	65	66	64	9	0	0	0	0	259
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet X, Page 2 of 5			2001	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
South Lyn-de Farm, CA													
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet X, Page 3 of 5			2001	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	80	80	80	80	80	80	80	80	80	80	80	80	
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	8.69	8.69	8.69	8.69	8.69	8.69	8.69	8.69	8.69	8.69	8.69	8.69	
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	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76	71.76	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet X, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet X, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet Y, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(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	321	411	833	1606	2971	3181	3200	2830	2485	1494	597	253	20184
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Y, Page 2 of 5			2001	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
State of AZ													
Monthly ET values													
Marsh	9	11	58	115	165	167	168	149	130	48	13	9	1040
Barren	92	118	146	117	160	162	162	144	126	101	93	88	1508
Sc-low	44	56	107	244	497	554	557	493	432	249	87	29	3350
Sc-high	37	47	109	247	483	519	522	462	405	232	79	24	3166
Sc/ms	27	35	82	192	378	407	409	362	318	181	61	18	2470
Sc/aw	17	22	53	121	237	255	256	227	199	114	39	12	1551
Sc/ms/aw	11	14	36	78	150	161	162	144	126	81	29	8	1001
Ms-low	24	31	67	131	237	251	253	224	197	133	52	17	1616
Ms-high	5	6	16	35	64	65	66	58	51	34	14	4	419
Ms/aw	9	11	28	60	108	111	111	98	87	57	22	7	707
Aw	19	25	54	116	224	246	248	219	193	119	44	14	1521
Cw	1	1	2	5	9	9	9	8	7	5	2	1	60
Low Veg	26	34	75	147	262	273	275	243	214	142	62	22	1775
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Y, Page 3 of 5			2001	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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Y, Page 4 of 5			2001	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	5143	5143	5143	5143	5143	5143	5143	5143	5143	5143	5143	5143	
Marsh	174.16	174.16	174.16	174.16	174.16	174.16	174.16	174.16	174.16	174.16	174.16	174.16	
Barren	1472.55	1472.55	1472.55	1472.55	1472.55	1472.55	1472.55	1472.55	1472.55	1472.55	1472.55	1472.55	
Sc-low	704.56	704.56	704.56	704.56	704.56	704.56	704.56	704.56	704.56	704.56	704.56	704.56	
Sc-high	586.62	586.62	586.62	586.62	586.62	586.62	586.62	586.62	586.62	586.62	586.62	586.62	
Sc/ms	432.16	432.16	432.16	432.16	432.16	432.16	432.16	432.16	432.16	432.16	432.16	432.16	
Sc/aw	279.64	279.64	279.64	279.64	279.64	279.64	279.64	279.64	279.64	279.64	279.64	279.64	
Sc/ms/aw	172.62	172.62	172.62	172.62	172.62	172.62	172.62	172.62	172.62	172.62	172.62	172.62	
Ms-low	385.13	385.13	385.13	385.13	385.13	385.13	385.13	385.13	385.13	385.13	385.13	385.13	
Ms-high	79.82	79.82	79.82	79.82	79.82	79.82	79.82	79.82	79.82	79.82	79.82	79.82	
Ms/aw	140.99	140.99	140.99	140.99	140.99	140.99	140.99	140.99	140.99	140.99	140.99	140.99	
Aw	308.97	308.97	308.97	308.97	308.97	308.97	308.97	308.97	308.97	308.97	308.97	308.97	
Cw	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	
Low Veg	394.63	394.63	394.63	394.63	394.63	394.63	394.63	394.63	394.63	394.63	394.63	394.63	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Y, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

2001 LCRAS		Sheet Z, Page 1 of 5			2001	TOTAL DIVERTER ET							
Parker Dam to Imperial Dam Water Balance Table													
(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 PCarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	22	32	58	87	121	121	121	106	94	71	46	34	914
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	423	541	1110	2182	4067	4360	4386	3878	3406	2047	807	330	27537
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	5	8	14	21	29	28	29	25	23	18	12	9	220
Citrus-mature	3	4	7	10	14	14	14	12	11	9	6	4	110
Citrus-declining	5	7	12	18	24	24	24	21	19	15	10	8	187
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	9	13	26	38	54	54	54	47	41	30	19	13	397
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
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Z, Page 2 of 5			2001	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
State of CA													
Monthly ET values													
Marsh	9	12	64	127	181	184	185	164	143	52	14	10	1147
Barren	106	135	167	134	183	186	186	165	145	115	107	101	1729
Sc-low	64	82	155	353	718	801	806	712	625	360	127	42	4844
Sc-high	54	69	160	363	711	764	768	680	596	341	117	36	4659
Sc/ms	46	59	141	328	647	697	701	620	544	310	105	31	4231
Sc/aw	16	21	49	113	222	239	240	212	187	107	36	11	1454
Sc/ms/aw	10	13	34	76	145	156	157	139	122	79	28	8	968
Ms-low	33	43	94	182	329	349	351	311	273	185	72	23	2245
Ms-high	11	14	35	77	139	143	144	128	112	74	30	10	917
Ms/aw	9	11	28	61	109	113	113	100	88	58	23	7	720
Aw	26	34	74	158	306	336	339	300	264	162	60	19	2078
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	38	48	107	211	376	392	395	349	307	204	89	32	2547
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Z, Page 3 of 5			2001	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	276	276	276	276	276	276	276	276	276	276	276	276	
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	103.30	103.30	103.30	103.30	103.30	103.30	103.30	103.30	103.30	103.30	103.30	103.30	
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	
Herbs (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Z, Page 4 of 5			2001	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	6773	6773	6773	6773	6773	6773	6773	6773	6773	6773	6773	6773	
Marsh	191.98	191.98	191.98	191.98	191.98	191.98	191.98	191.98	191.98	191.98	191.98	191.98	
Barren	1688.52	1688.52	1688.52	1688.52	1688.52	1688.52	1688.52	1688.52	1688.52	1688.52	1688.52	1688.52	
Sc-low	1018.80	1018.80	1018.80	1018.80	1018.80	1018.80	1018.80	1018.80	1018.80	1018.80	1018.80	1018.80	
Sc-high	863.15	863.15	863.15	863.15	863.15	863.15	863.15	863.15	863.15	863.15	863.15	863.15	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Z, Page 5 of 5			2001	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 PCarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.31	2.60	3.37	6.04	8.77	8.43	8.54	8.03	8.00	4.20	2.73	2.69	64.71
Alfalfa-annual	0.96	2.78	3.17	5.85	10.49	5.99	10.79	0.00	0.00	0.00	0.00	1.07	41.10
Alfalfa-seed	0.51	1.58	2.50	2.60	6.14	6.42	3.78	5.64	5.83	5.86	2.86	2.61	46.33
Cotton	0.00	0.00	0.00	0.97	2.43	5.48	9.02	9.63	7.43	0.73	0.00	0.00	35.69
Small Grain	1.54	3.01	5.18	7.28	3.20	0.00	0.00	0.00	0.00	0.00	0.35	0.90	21.46
Field Grain	0.00	0.00	1.42	6.14	11.44	10.22	1.31	0.00	0.00	0.00	0.00	0.00	30.53
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.18	0.00	6.53
Lettuce-late	1.69	2.64	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.27
Melons-spring	0.00	-0.10	2.97	6.60	9.53	5.71	0.00	0.00	0.00	0.00	0.00	0.00	24.71
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	4.56	5.40	3.50	1.33	16.36
Bermuda	0.00	0.00	0.00	2.85	7.79	8.24	8.29	7.20	6.15	0.27	0.00	0.00	40.79
Bermuda w/ rye	1.65	2.21	3.40	2.85	7.79	8.24	8.29	7.20	6.15	2.54	3.06	2.20	55.58
Citrus-young	0.57	0.90	1.58	2.46	3.35	3.31	3.33	2.94	2.65	2.06	1.37	1.04	25.56
Citrus-mature	1.20	1.68	2.81	4.09	5.59	5.52	5.55	4.91	4.42	3.44	2.32	1.74	43.27
Citrus-declining	0.73	1.09	1.89	2.87	3.91	3.86	3.89	3.44	3.09	2.40	1.61	1.22	30.00
Tomatoes	0.00	1.52	3.98	7.84	10.69	4.23	0.00	0.00	0.00	0.00	0.00	0.00	28.26
Sudan	0.00	0.00	2.25	6.86	10.88	11.04	10.75	1.54	0.00	0.00	0.00	0.00	43.32
Legume/Solanum Veg	2.01	2.76	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.72	2.49	2.46	12.50
Crucifers	1.90	2.57	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.49	2.03	2.29	11.64
Dates	1.61	2.36	4.52	6.72	9.54	9.57	9.52	8.32	7.25	5.21	3.27	2.28	70.17
Safflower	0.00	0.83	3.50	7.89	11.80	10.80	1.70	0.00	0.00	0.00	0.00	0.00	36.52
Orchards	0.64	1.04	2.50	4.93	8.18	8.38	8.43	7.46	6.56	4.78	2.94	1.53	57.37
Small Vegetables	1.89	2.63	3.71	0.00	0.00	0.00	0.00	0.00	1.35	2.19	2.64	2.46	16.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	4.11	3.68	2.36	12.82
Perennial Vegetables	0.61	1.00	1.98	4.96	8.88	9.03	9.09	7.75	6.21	3.54	1.56	1.07	55.68
Sugar Beets	2.06	2.85	4.91	6.88	7.07	0.22	0.00	0.00	0.90	1.97	2.21	2.40	31.47
Grapes	0.00	-0.08	1.20	4.35	8.05	8.22	7.86	5.44	1.99	0.00	0.00	0.00	37.03
Herbs (Miscellaneous)	1.70	2.38	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.98	2.22	10.45
Marsh	0.59	0.76	4.01	7.94	11.34	11.51	11.58	10.24	8.93	3.28	0.89	0.62	71.69
Barren	0.75	0.96	1.19	0.95	1.30	1.32	1.32	1.17	1.03	0.82	0.76	0.72	12.29
Sc-low	0.75	0.96	1.82	4.16	8.46	9.43	9.49	8.39	7.36	4.24	1.49	0.50	57.05
Sc-high	0.75	0.96	2.23	5.05	9.88	10.62	10.68	9.45	8.29	4.74	1.62	0.50	64.77
Sc/ms	0.75	0.96	2.29	5.32	10.49	11.30	11.37	10.05	8.82	5.03	1.70	0.50	68.58
Sc/aw	0.75	0.96	2.26	5.18	10.16	10.93	11.00	9.72	8.54	4.88	1.66	0.50	66.54
Sc/ms/aw	0.75	0.96	2.47	5.44	10.46	11.22	11.29	9.98	8.79	5.66	2.04	0.55	69.61
Ms-low	0.75	0.96	2.10	4.08	7.37	7.83	7.88	6.97	6.13	4.15	1.61	0.52	50.35
Ms-high	0.75	0.96	2.43	5.27	9.57	9.84	9.91	8.76	7.71	5.07	2.07	0.66	63.00
Ms/aw	0.75	0.96	2.37	5.07	9.15	9.41	9.47	8.37	7.37	4.81	1.89	0.58	60.20
Aw	0.75	0.96	2.11	4.50	8.69	9.57	9.63	8.52	7.50	4.62	1.71	0.53	59.09
Cw	0.75	0.96	2.37	5.06	9.41	9.84	9.91	8.76	7.71	5.03	1.96	0.59	62.35
Low Veg	0.80	1.02	2.27	4.46	7.97	8.31	8.36	7.39	6.50	4.32	1.88	0.68	53.96
Moist Soil Unit	2.28	2.91	4.73	6.59	5.53	3.07	10.48	9.72	5.07	5.52	3.55	2.49	61.94
Seasonal Wetland	2.28	2.91	3.69	3.83	4.21	2.5	4.94	4.74	4.17	5.52	3.55	2.49	44.83

Imperial Dam to Mexico

Water-Balance Table

2001 LCRAS	Sheet A, Page 1 of 3		2001	ANNUAL WATER BALANCE					
Imperial Dam to Mexico Water Balance Table									
(This sheet calculates the water balance on an annual basis.)			(All values in acre-feet accept where noted)						
						Amount of			
Calculation of SEE for the Flow at the Downstream Boundary (Qds):				Variance	Percent of	Adjustment	Distributed		
	Flow	SEE in%	See in Acre-Feet	in Acre-Feet^2	Total Variance	Added to Flow	Flow		
Colorado River @ NIB (1)	1,566,430	1.40%	21,930	480,924,900	63.28%	47382	1613812		
11 Mile Wasteway	13,613	2.50%	340	115,600	0.02%	15	13628		
Cooper Wasteway	561	2.50%	14	196	0.00%	0	561		
21 Mile Wasteway	2,591	2.50%	65	4,225	0.00%	0	2591		
Main Drain (inc. 242)	106,194	2.50%	2,655	7,049,025	0.93%	696	106890		
W. Main Canal Drain	7,378	2.50%	184	33,856	0.00%	0	7378		
E. Main Canal Drain	3,777	2.50%	94	8,836	0.00%	0	3777		
Underflow to Mexico (2)	82,443	20.00%	16,489	271,887,121	35.77%	26783	109226		
Total Downstream flow (Qds)	1,782,987	1.55%	27,569	760,023,759	100.00%	74876	1857863		
					Check Total	74,876	<--From Report Table 6		
Calculation of Difference between Qus and Qds (Qdif):			SEE in	Variance in					
		SEE in %	Acre-Feet	Acre-Feet^2					
Flow at Upstream Boundary (Qus)	6,148,954	1.50%	92,234	8,507,110,756					
Flow at Downstream Boundary (Qds)	1,782,987	1.55%	27,569	760,049,761					
Difference (Qdif)	4,365,967	2.20%	96,266						
Calculation of SEE for Exports (Qex):						Amount of			
	Flow in		SEE in	Variance in	Percent of	Residual	Distributed		
	Acre-Feet	SEE in %	Acre-Feet	Acre-Feet^2	Total Variance	Added to Flow	Export Flow		
AAC Sta 1117*	3,409,500	1.17%	39,891	1,591,291,881	96.07%	13789	3423289		
AAC evap. (Imperial Dam to Station 1117)	2,862	5.00%	143	20,449	0.00%	0	2862		
Total AAC Export at Station 1117	3,412,362	1.17%	39,891	1,591,312,330	96.07%	13789	3426151		
Wellton-Mohawk (AVM)	403,519	2.00%	8,070	65,124,900	3.93%	564	404083		
GGMC evap. (Imperial Dam to WMIDD Div.)	734	5.00%	37	1,369	0.00%	0	734		
Total GGMC Export to Wellton-Mohawk	404,253	2.00%	8,070	65,126,269	3.93%	564	404817		
DPOC 1, 2, & 3 and DW-1	40	2.00%	1	1	0.00%	0	40		
Total Export Flow (Qex)	3,816,655	1.07%	40,699	1,656,438,600	100%	14,353	3,831,008		
Water Balance:	Undistributed						Distributed	SEE of Distributed	
	Annual		SEE in	Variance in	Distributed	Percent of	Annual	Annual Values	
	Value	SEE in %	Acre-Feet	Acre-Feet^2	Residual	Residual	Value	Percent	Acre-Feet
Difference (Qdif)	4,365,967	2.20%	96,266	9,267,142,756	80,302	81.75%	4,285,665	0.96%	41,120
Inflows:									
Measured Tributary Inflow (Trm)	6,954	7.00%	487	237,169	2	0.00%	6,952	7.01%	487
Unmeasured Tributary Inflow (Trum)	3,000	30.00%	900	810,000	7	0.01%	2,993	30.07%	900
Outflows:									
Export Flow (Qex)	3,816,655	1.07%	40,699	1,656,408,601	14,353	14.61%	3,831,008	0.98%	37,608
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	867	0.88%	867	1148.33%	9,956
Domestic,Municipal&Industrial Use (CUd)	33,249	2.00%	665	442,225	4	0.00%	33,253	2.00%	665
Agricultural Evapotranspiration (ETag)	344,201	5.00%	17,210	296,184,100	2,566	2.61%	346,767	4.90%	16,984
Phreatophyte Evapotranspiration (ETpht)	74,566	5.00%	3,728	13,897,984	120	0.12%	74,686	4.99%	3,726
Open-Water Evaporation (E)	9,027	5.00%	451	203,401	2	0.00%	9,029	5.00%	451
Residual	98,223						0		59,231
Residual as a percentage of Qus	1.60%		Total	11,335,326,236	98,223	99.98%			

* 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.

2001 LCRAS	Sheet A, Page 2 of 3		2001	ANNUAL WATER BALANCE					
Imperial Dam to Mexico Water Balance Table									
Final Results by Agricultural Diverter					Undistributed		Undistributed	Distributed	
Diverter	Agricultural ET	Agricultural CU	Phreatophyte ET	Phreatophyte CU	Domestic Use	Domestic CU	Export	Export	
Desert Lawn Memorial, AZ	357	360	0	0					
FYIR, AZ & Homesteads	1,280	1,290	3,007	3,012					
FYIR Mittry SWA & YPG, AZ	0	0	873	874					
FYIR, CA	3,727	3,755	11,862	11,881					
FYIR Bard Unit, CA	22,403	22,570	846	847					
FYIR Indian Unit, CA	14,953	15,064	1,398	1,400					
FYIR & Picacho SRA, CA	0	0	4	4					
FYIR & YPG, CA	0	0	843	844					
Hillander "C" ID, AZ	4,901	4,938	0	0					
Imperial NWR, AZ	56	56	5,677	5,686					
Imperial NWR, CA	0	0	105	105					
Imperial NWR & YPG, CA	0	0	51	51					
Mittry Lake SWA, AZ	131	132	10,357	10,374					
North Cocopah IR, AZ	639	644	735	736					
North Gila Valley ID, AZ	19,130	19,273	2,020	2,023					
Picacho SR Lands, CA	0	0	130	130					
Sturges GM Ranch, AZ	6,081	6,126	816	817					
State of AZ	7,554	7,610	12,504	12,524					
State of AZ-Limitrophe	2,272	2,289	4,663	4,671					
State of AZ-DG from YMIDD	25,711	25,903	0	0					
State of CA	4,575	4,609	2,425	2,429					
Unit "B" IDD, AZ	6,834	6,885	0	0					
University AZ Ag Station, AZ	216	218	0	0					
West Cocopah IR, AZ	5,708	5,751	6,257	6,267					
Yuma Irrg. Dist., AZ	30,189	30,414	1,202	1,204					
Yuma Mesa IDD, AZ	67,406	67,909	0	0					
YPG, AZ	0	0	381	382					
YPG, CA	13	13	8,400	8,414					
Yuma County WUA, AZ	120,065	120,960	11	11					
Check Totals	344,201	346,769	74,567	74,686	0	0	0	0	

2001 LCRAS	Sheet A, Page 3 of 3		2001	ANNUAL WATER BALANCE					
Imperial Dam to Mexico Water Balance Table									
Final Results by Domestic Diverter					Undistributed		Undistributed	Distributed	
Diverter	Crop ET	Crop CU	Phreatophyte ET	Phreatophyte CU	Domestic Use	Domestic CU	Export	Export	
Yuma (City), AZ (1)					17,732	17,734			
Yuma Proving Ground, AZ (2)					525	525			
Winterhaven, CA (3)					80	80			
Marine Corps Air Station, AZ					1,384	1,384			
Southern Pacific Railroad, AZ					29	29			
Yuma Mesa Fruit Growers, AZ					7	7			
Yuma Union High School, AZ					120	120			
USBR Yuma Area Office, AZ (4)					849	849			
APS Yucca Power Plant, AZ (5)					804	804			
Cocopah Bend RV Park, AZ (6)					204	204			
State Prison, AZ (7)					12	12			
----------					0	0			
Yuma (City), AZ (8)					71	71			
Yuma (County), AZ(1)					7,778	7,779			
Bard, CA**					214	215			
Cocopah Indian Res., AZ					143	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	33,249	33,252	0	0	
Final Results for Exports									
Export									
AAC Sta 1117*							3,412,362	3,425,195	
Wellton-Mohawk (AVM)							404,253	405,773	
DPOC 1, 2, & 3; DW-1							40	40	
7, & 9 discharge into MODE									
Check Totals	0	0	0	0	0	0	3,816,655	3,831,008	

2001 LCRAS			Sheet B			2001	MONTHLY WATER BALANCE							
Imperial Dam to Mexico Water Balance Table														
(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		336,113	421,409	525,712	667,948	655,324	613,308	662,020	564,985	515,354	465,780	386,020	334,981	6,148,954
Trm		1,130	1,150	988	549	133	79	139	317	87	628	654	1,100	6,954
Trum		250	250	250	250	250	250	250	250	250	250	250	250	3,000
	Total	337,493	422,809	526,950	668,747	655,707	613,637	662,409	565,552	515,691	466,658	386,924	336,331	6,158,908
OUTFLOW														
Qex		153,360	199,743	263,648	404,860	454,969	417,931	440,143	397,062	349,591	312,208	239,777	183,363	3,816,655
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		2,135	2,019	2,258	2,615	3,199	3,356	3,416	3,391	3,266	2,777	2,473	2,344	33,249
ETag		15,023	18,166	23,299	36,222	44,056	41,074	39,994	38,054	26,210	26,653	20,750	14,700	344,201
ETpht		1,343	1,596	3,057	5,945	10,638	11,794	11,805	11,118	8,871	5,277	2,169	953	74,566
E		227	300	419	877	1,208	1,271	1,260	1,176	949	669	406	266	9,027
Qds		173,275	199,597	248,634	206,866	117,489	129,096	149,804	120,376	109,893	92,086	105,807	130,061	1,782,987
	Total	345,363	421,421	541,316	657,386	631,560	604,523	646,421	571,177	498,780	439,670	371,381	331,687	6,060,685
(INFLOW -OUTFLOW)														
		(7,870)	1,388	(14,366)	11,361	24,147	9,114	15,988	(5,625)	16,911	26,988	15,543	4,644	98,223
	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													
ETag	Agricultural Evapotranspiration													
ETpht	Phreatophyte Evapotranspiration													
E	Open-Water Evaporation													
Qds	Flow @ Downstream Boundary													

2001 LCRAS			Sheet C			2001	Qus, and Trm and Trum INFLOW COMPONENTS							
Imperial Dam to Mexico Water Balance Table														
(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		336113	421409	525712	667948	655324	613308	662020	564985	515354	465780	386020	334981	6,148,954
Imperial Dam*														
Station				from USGS Arizona District database and USBR AVM Records (see data files imp2mex.xls & 01st3avm.xls)										
AAC, Station 60		285700	347200	443100	556500	506300	482500	517300	437200	373500	359800	301600	277900	4,888,600
GGMC, Station 30 (AVM)		29762	36321	48692	76225	107502	101385	95818	76203	82701	74229	56027	37743	822,608
Mittry Lake		861	598	1110	893	922	893	922	922	833	861	833	778	10,426
Colorado River Sluiceway		19790	37290	32810	34330	40600	28530	47980	50660	58320	30890	27560	18560	427,320
----------		0	0	0	0	0	0	0	0	0	0	0	0	0
* - Flow exiting dam is the total of measurements made at All-American Canal (AAC) Station 60, Gila Gravity Main Canal (GGMC) Station 30,														
Mittry Lake Diversion (Control Gate/Meter @ Headworks of GGMC), and Sluiceway (Colorado River Gauge below Imperial Dam).														
Trm, Measured Tributary Inflow														
Total		1130	1150	988	549	133	79	139	317	87	628	654	1100	6,954
Station			from USGS Arizona District database (see data file imp2mex.xls)											
Gila River @ Dome		1130	1150	988	549	133	79	139	317	87	628	654	1100	6,954
Yuma Desalting Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
- Discharged to Colorado River														
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
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
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

2001 LCRAS			Sheet D			2001	Qex, Sr, and Sa OUTFLOW COMPONENTS							
Imperial Dam to Mexico Water Balance Table														
(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		153360	199743	263648	404860	454969	417931	440143	397062	349591	312208	239777	183363	3,816,655
Station			from USGS Arizona District database and USBR AVM Records (see data files imp2mex.xls, 01wmavm.xls, dwwell01.xls, & lcrass01.xls)											
AAC Sta 1117*		138400	179600	236300	365000	401400	366900	392200	362800	309500	279000	214000	164400	3,409,500
AAC Evap (IID&CVWD	**	72	95	133	278	383	403	399	373	301	212	129	84	2,862
Total to Export		138472	179695	236433	365278	401783	367303	392599	363173	309801	279212	214129	164484	3,412,362
Wellton-Mohawk (AVM)		14830	20023	27181	39511	53088	50525	47441	33794	39713	32941	25615	18857	403,519
GGMC Evap.(W_MIDD	**	18	24	34	71	98	103	102	96	77	54	33	22	734
Total to Export		14848	20047	27215	39582	53186	50628	47543	33890	39790	32995	25648	18879	404,253
DPOC 1, 2, & 3; DW-1		40	0	0	0	0	0	0	0	0	0	0	0	40
7, & 9 discharge into MODE														
* - 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

2001 LCRAS		Sheet E				2001	CUd OUTFLOW COMPONENT							
Imperial Dam to Mexico Water Balance Table						(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		2135	2019	2258	2615	3199	3356	3416	3391	3266	2777	2473	2344	33,249
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)		956	858.00	1014.00	1298.00	1754.00	1970.00	1996.00	1976.00	1937.00	1484.00	1281.00	1208.00	17,732.0
Yuma Proving Ground, AZ (2)		16.2	15.00	16.80	47.40	78.00	74.40	77.40	76.20	58.80	30.60	19.20	15.00	525.0
Winterhaven, CA (3)		4.2	3.60	6.00	6.00	7.80	9.00	10.20	9.60	7.80	6.60	4.80	4.20	79.8
Marine Corps Air Station, AZ		40.8	43.80	70.20	93.00	136.20	182.40	200.40	196.20	150.60	156.60	78.60	35.40	1,384.2
Southern Pacific Railroad, AZ		2.4	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 Growers, AZ		0.6	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 High School, AZ		5.4	6.60	4.20	5.40	20.40	13.80	16.20	15.00	9.00	9.00	7.80	7.20	120.0
USBR Yuma Area Office, AZ (4)		96	81.00	114.00	119.00	137.00	42.00	44.00	44.00	42.00	44.00	42.00	44.00	849.0
APS Yucca Power Plant, AZ (5)		46.8	43.70	57.50	66.80	79.90	74.00	78.90	83.50	77.00	68.00	67.60	60.00	803.7
Cocopah Bend RV Park, AZ (6)		10.92	8.76	14.88	16.08	19.62	23.76	25.92	24.96	19.62	16.44	11.64	11.46	204.1
State Prison, AZ (7)		1	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	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)		1.78	2.36	3.29	6.89	9.49	9.99	9.90	9.24	7.46	5.26	3.19	2.09	70.9
(1) - Includes diversions at Imperial Dam (minus reported return flows) via the All-American Canal and the Gila Gravity Main Canal to the City's Water Treatment Plant, Cogeneration Plant, Smucker Park, & Golf Course.														
(2) - Reported annual total only, distributed monthly according to nearby users.														
(3) - Reported annual total only, distributed monthly according to nearby users.														
(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).														
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	
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
* - Based on 0.14 acre feet per year (0.012 acre feet per month). 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.														

2001 LCRAS		Sheet F			2001	ETcrop OUTFLOW COMPONENT							
Imperial Dam to Mexico Water Balance Table													
(Sheet to calculate outflow component ETcrop)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
(All values in acre-feet)													
ETag, Agricultural Evapotranspiration													
Total	15023	18166	23299	36222	44056	41074	39994	38054	26210	26653	20750	14700	344,201
Diverter													
Desert Lawn Memorial, AZ	14	16	22	18	47	52	52	48	37	15	20	16	357
FYIR, AZ & Homesteads	69	79	88	141	154	128	130	121	85	124	111	51	1,280
FYIR Mittry SWA & YPG, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
FYIR, CA	170	223	310	511	568	470	413	398	216	195	144	109	3,727
FYIR Bard Unit, CA	853	988	1277	2205	3078	2973	2924	2781	1671	1593	1246	813	22,403
FYIR Indian Unit, CA	938	1154	1382	2073	2050	1376	1203	1090	669	1195	1134	690	14,953
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	361	408	338	358	470	481	481	454	370	394	393	394	4,901
Imperial NWR, AZ	3	1	1	2	4	5	5	5	9	8	8	6	56
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	5	2	2	5	9	13	18	19	21	14	12	9	131
North Cocopah IR, AZ	65	77	85	113	79	44	44	40	13	21	19	40	639
North Gila Valley ID, AZ	649	707	830	1623	2444	2682	2838	2785	1542	1431	1087	513	19,130
Picacho SR Lands, CA	0	0	0	0	0	0	0	0	0	0	0	0	0
Sturges GM Ranch, AZ	156	129	139	395	789	990	1057	1071	623	353	216	161	6,081
State of AZ	317	364	426	681	965	995	982	919	539	568	453	347	7,554
State of AZ-Limitrophe	120	138	166	244	265	269	314	313	170	99	74	100	2,272
State of AZ-DG from YMIDD	805	1156	1612	2239	3086	3345	3331	3157	2442	2145	1240	1155	25,711
State of CA	189	230	269	433	572	593	545	509	355	389	283	208	4,575
Unit "B" IDD, AZ	219	285	370	568	854	935	926	874	622	542	341	297	6,834
University AZ Ag Station, AZ	7	8	11	18	27	30	30	28	19	17	12	9	216
West Cocopah IR, AZ	217	290	377	584	768	787	744	697	431	356	217	241	5,708
Yuma Irrg. Dist., AZ	1383	1675	2041	3417	4172	3740	3239	3096	2088	2325	1885	1127	30,189
Yuma Mesa IDD, AZ	2256	2943	4081	5900	8207	8803	8759	8286	6318	5420	3374	3058	67,406
YPG, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
YPG, CA	0	0	0	1	1	2	3	3	2	1	0	0	13
Yuma County WUA, AZ	6227	7294	9473	14694	15449	12362	11958	11359	7966	9450	8480	5354	120,065
----------	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet G			2001	ETpht OUTFLOW COMPONENT							
Imperial Dam to Mexico Water Balance Table													
(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													
	1343	1596	3057	5945	10638	11794	11805	11118	8871	5277	2169	953	74,566
Diverter													
Desert Lawn Memorial, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
FYIR, AZ & Homesteads	90	107	159	235	400	438	438	413	330	213	113	72	3,007
FYIR Mittry SWA & YPG, AZ	13	15	34	71	127	141	141	133	106	60	23	9	873
FYIR, CA	248	295	509	926	1659	1840	1842	1735	1385	857	381	183	11,862
FYIR Bard Unit, CA	13	16	31	65	123	137	137	129	103	61	23	9	846
FYIR Indian Unit, CA	27	32	55	107	199	222	222	209	167	99	41	18	1,398
FYIR & Picacho SRA, CA	0	0	0	0	1	1	1	1	0	0	0	0	4
FYIR & YPG, CA	14	17	34	67	121	135	135	127	101	59	23	10	843
Hillander "C" ID, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
Imperial NWR, AZ	86	102	243	488	826	909	909	856	683	373	141	62	5,677
Imperial NWR, CA	4	5	7	8	13	15	15	14	11	7	4	3	105
Imperial NWR & YPG, CA	1	1	2	4	7	8	8	8	6	4	2	1	51
Mittry Lake SWA, AZ	154	183	397	835	1505	1670	1672	1574	1256	732	276	102	10,357
North Cocopah IR, AZ	13	16	28	56	105	118	118	111	89	53	21	9	735
North Gila Valley ID, AZ	36	42	85	165	289	318	318	300	239	142	59	26	2,020
Picacho SR Lands, CA	3	3	6	10	18	20	20	19	15	10	4	2	130
Sturges GM Ranch, AZ	11	13	41	80	121	130	130	122	97	46	17	9	816
State of AZ	216	257	507	1004	1795	1987	1989	1873	1494	876	353	153	12,504
State of AZ-Limitrophe	86	102	182	359	661	740	741	698	557	338	140	59	4,663
State of AZ-DG from YMIDD	0	0	0	0	0	0	0	0	0	0	0	0	0
State of CA	51	60	107	193	340	375	375	353	282	174	77	37	2,425
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	114	135	248	486	889	989	990	932	744	459	191	79	6,257
Yuma Irrg. Dist., AZ	22	27	48	93	170	190	190	179	143	88	37	16	1,202
Yuma Mesa IDD, AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
YPG, AZ	6	7	14	30	55	61	61	58	46	29	11	4	381
YPG, CA	136	162	320	661	1214	1351	1352	1273	1016	594	230	91	8,400
Yuma County WUA, AZ	1	1	1	1	1	1	1	1	1	1	0	0	11
----------	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS			Sheet H, Page 1 of 4			2001	E and Qds OUTFLOW COMPONENTS, and SEE of Qds							
Imperial Dam to Mexico Water Balance Table							(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		173275	199597	248634	206866	117489	129096	149804	120376	109893	92086	105807	130061	1,782,987
Station				(from International Boundary & Water Commission reports)										
Colorado River @ NIB (1)		155600	182800	232000	188800	98400	112500	132900	104900	92830	71040	84360	110300	1,566,430
11 Mile Wasteway		1218	867	850	716	746	965	794	889	880	1652	2208	1828	13,613
Cooper Wasteway		81	29	3	22	55	34	24	32	16	171	40	54	561
21 Mile Wasteway		71	0	87	8	125	43	3	0	36	687	806	725	2,591
Main Drain (inc. 242)		8359	7893	7735	9314	10462	7575	8079	6416	8240	11158	11120	9843	106,194
W. Main Canal Drain		670	906	783	917	679	796	760	890	734	213	15	15	7,378
E. Main Canal Drain		406	232	306	219	152	313	374	379	287	295	388	426	3,777
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		227	300	419	877	1208	1271	1260	1176	949	669	406	266	9,027
Colorado River	acres	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	
	Ac-ft	149	198	276	578	796	838	830	775	625	441	267	175	5,948
Mittry Lake	acres	442	442	442	442	442	442	442	442	442	442	442	442	
	Ac-ft	63	83	116	242	334	351	348	325	262	185	112	73	2,494
PKPP Delivery to Mexico	acres	104	104	104	104	104	104	104	104	104	104	104	104	
	Ac-ft	15	19	27	57	78	82	82	76	61	43	26	17	584
Note: 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 2002)														
		0.85	0.96	1.03	1.04	1.03	1.03	1.04	1.04	1.02	0.99	0.87	0.75	
ETo, inches			(THESE VALUES FROM ANOTHER WORKSHEET)											
Yuma Area (averaged)		2.73	3.23	4.83	6.41	8.80	9.26	9.27	8.73	6.98	5.12	3.52	2.74	71.62
Evaporation, inches (Evaporation = ETo X Evaporation coefficient)														
Yuma Area		2.32	3.10	4.97	6.67	9.06	9.54	9.64	9.08	7.12	5.07	3.06	2.06	71.69
Precipitation, inches			(THESE VALUES FROM ANOTHER WORKSHEET)											
Yuma Area (averaged)		0.62	0.85	1.83	0.09	0.00	0.00	0.19	0.26	0.00	0.05	0.02	0.06	3.97

2001 LCRAS			Sheet H, Page 2 of 4			2001	E and Qds OUTFLOW COMPONENTS, and SEE of Qds							
Imperial Dam to Mexico Water Balance Table							(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
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	4	5	7	15	21	22	22	21	17	12	7	5	158
FYIR Indian Unit, CA	acres	19	19	19	19	19	19	19	19	19	19	19	19	
(see Sheet N)	Ac-ft	3	4	5	10	14	15	15	14	11	8	5	3	106
City of Yuma, AZ	acres	13	13	13	13	13	13	13	13	13	13	13	13	
(see Sheet E)	Ac-ft	2	2	3	7	9	10	10	9	7	5	3	2	71
Yuma County WUA, AZ	acres	306	306	306	306	306	306	306	306	306	306	306	306	
(see Sheet AK)	Ac-ft	43	57	80	168	231	244	241	225	182	128	78	51	1729
IID & CVWD, CA	acres	507	507	507	507	507	507	507	507	507	507	507	507	
(see Sheet D)	Ac-ft	72	95	133	278	383	403	399	373	301	212	129	84	2862
Pilot Knob PP & WW	acres	104	104	104	104	104	104	104	104	104	104	104	104	
(see this Sheet above	Ac-ft	15	19	27	57	78	82	82	76	61	43	26	17	584
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	8	8	8	8	8	8	8	8	8	8	8	8	
(see Sheet W)	Ac-ft	1	2	2	4	6	6	6	6	5	3	2	1	46
Sturges GM Ranch, AZ	acres	4	4	4	4	4	4	4	4	4	4	4	4	
(see Sheet Y)	Ac-ft	1	1	1	2	3	3	3	3	2	2	1	1	21
Wellton-Mohawk IDD, AZ	acres	130	130	130	130	130	130	130	130	130	130	130	130	
(see Sheet D)	Ac-ft	18	24	34	71	98	103	102	96	77	54	33	22	734
Yuma Irrg. Dist., AZ	acres	57	57	57	57	57	57	57	57	57	57	57	57	
(see Sheet AG)	Ac-ft	8	11	15	31	43	46	45	42	34	24	15	10	324
Yuma Mesa IDD, AZ	acres	174	174	174	174	174	174	174	174	174	174	174	174	
(see Sheet AH)	Ac-ft	25	33	46	96	132	139	137	128	103	73	44	29	984
Unit "B" IDD, AZ	acres	19	19	19	19	19	19	19	19	19	19	19	19	
(see Sheet AD)	Ac-ft	3	4	5	10	14	15	15	14	11	8	5	3	107
											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.														

2001 LCRAS	Sheet H, Page 3 of 4					2001	E and Qds OUTFLOW COMPONENTS, and SEE of Qds							
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 shaded cell values change yearly.														
				1		2		3		4		5		6
				POD Mileage		Diversion		Div. Miles		Open Water		Non-shared		Total Open
YUMA PROJECT				(mi)		(Ac-Ft)				Area		Canal Area		Water Area
RESERVATION DIVISION										(Ac)		(Ac)		(Ac)
FYIR Bard Unit, CA				6.57		44,956.0		295361		2.1		25.9		28.0
												(.61*42.5)		
FYIR Indian Unit, CA				9.63		31913.0		307322		2.2		16.600		18.8
												(.39*42.5)		
City of Yuma, AZ				14.70		27558		405103		2.9		9.700		12.6
												(.207* 46.7)		
Yuma County WUA, AZ				14.70		366892		5393312		38.2		268.300		306.5
												(231.2+.793*46.7)		
IID & CVWD, CA	2/	Export		21.02		3409500		71667690		507.2				507.2
Pilot Knob PP & WW	3/	System loss		20.52		712970		14630144		103.5				103.5
					Sums	4593789		92698932		656.0				
Footnotes:														
1/ Open water acreage of the AAC digitized from 5 meter IRS imagery.														
2/ Flow measured by the USGS at station 09527500, also known as station 1117+00 of the AAC.														
3/ Flow measured by the USGS through the Pilot Knob Power Plant and Waste Way at station 09527000, also known as station 1093+92 of the 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 - Point of Diversion Mileage is the 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. Calculated using 2000 diversions.													
2 - Diversion of each User at Imperial Dam.														
	Diversion at Imperial Dam as reported by the USGS or USBR in the annual Decree accounting report.													
3 - Diversion - Miles is calculated by multiplying the Users diversion times canal miles between Imperial dam and														
	the user's 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 diversion mileage for the user divided by the total diversion 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 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.														
Bank to bank canal area calculated by screen digitizing over 5-meter resolution panchromatic IRS imagery.														
	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													

2001 LCRAS	Sheet H, Page 4 of 4					2001	E and Qds OUTFLOW COMPONENTS, and SEE of Qds							
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/										273				
* Note: only shaded cell values change yearly.														
				1		2		3		4		5		6
				POD Mileage		Diversion		Div. Miles		Open Water		Non-shared		Total Open
				(mi)		(Ac-Ft)				Area		Canal Area		Water Area
										(Ac)		(Ac)		(Ac)
Yuma Proving Ground, AZ				2.60		5		13		0.0				0.0
North Gila IDD, AZ				8.45		46150		389968		8.2				8.2
Sturges GM Ranch, AZ				13.57		12953		175772		3.7				3.7
Wellton-Mohawk IDD, AZ	2/	Export		15.26		406725		6206624		130.0				130.0
Yuma Irrig District, AZ				19.75		62054		1225567		25.7		31.66		57.3
Yuma Mesa IDD, AZ				21.02		212968		4476587		93.8		80.64		174.4
												(23.6+64.38*.886)		
Unit "B" IDD, AZ				21.02		26422		555390		11.6		7.36		19.0
												(.114*64.38)		
					Sums	767277		13029921		273.00				
Footnotes:														
1/ Open water acreage of the GGMC digitized from 5 meter IRS imagery.														
2/ GS measured flow near headworks of Wellton-Mohawk canal.														
Columns														
1 - Point of Diversion Mileage is the 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. Calculated using 2000 diversions.													
2 - Diversion of each User at Imperial Dam.														
	Diversion at Imperial Dam as reported by the USGS or USBR in the annual Decree accounting report.													
3 - Diversion - Miles is calculated by multiplying the Users diversion times canal miles between Imperial dam and														
	the user's 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 diversion mileage for the user divided by the total diversion 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 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.														
Bank to bank canal area calculated by screen digitizing over 5-meter resolution panchromatic IRS imagery.														
	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													

2001 LCRAS		Sheet I, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	14	16	22	18	47	52	52	48	37	15	20	16	357
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	14	16	22	18	47	52	52	48	37	15	20	16	357
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet I, Page 2 of 5			2001	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
Desert Lawn Memorial, AZ													
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet I, Page 3 of 5			2001	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 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	
Herbs-(miscellaneous)	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.													

2001 LCRAS		Sheet I, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet I, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet J, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	69	79	88	141	154	128	130	121	85	124	111	51	1,280
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	90	107	159	235	400	438	438	413	330	213	113	72	3007
Monthly ET values													
Alfalfa-perennial	0	0	1	1	1	1	1	1	1	1	0	0	9
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	2	3	7	12	18	20	14	3	0	0	79
Small Grain	35	52	80	97	41	0	0	0	0	0	0	14	319
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	52	107	95	0	254
Lettuce-late	29	24	0	0	0	0	0	0	0	0	0	24	76
Melons-spring	0	2	5	7	9	0	0	0	0	0	0	0	24
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	3	8	9	9	8	6	0	0	0	44
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	83	101	101	92	0	0	0	0	402
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	12	12	16	13	58
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	1	3	5	4	1	0	0	0	0	0	15
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet J, Page 2 of 5			2001	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
FYIR, AZ & Homesteads													
Monthly ET values													
Marsh	0	0	2	5	6	7	7	6	5	2	1	0	41
Barren	54	64	72	55	72	76	76	71	57	46	46	47	735
Sc-low	3	4	6	14	28	32	32	30	24	14	5	2	194
Sc-high	5	6	11	25	47	52	52	49	39	23	8	3	320
Sc/ms	7	9	19	42	80	89	89	84	67	39	14	5	544
Sc/aw	1	1	3	6	11	12	12	11	9	5	2	1	72
Sc/ms/aw	0	0	1	2	4	4	4	4	3	2	1	0	25
Ms-low	5	6	11	21	36	39	40	37	30	20	8	3	255
Ms-high	2	2	5	11	19	20	20	19	15	10	4	2	129
Ms/aw	0	0	1	2	4	4	4	4	3	2	1	0	26
Aw	2	2	4	9	16	19	19	18	14	9	3	1	115
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	10	12	24	45	78	84	84	79	63	42	20	8	550
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet J, Page 3 of 5			2001	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	915	915	915	915	915	915	915	915	915	915	915	915	
Alfalfa-perennial	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	
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	23.88	23.88	23.88	23.88	23.88	23.88	23.88	23.88	23.88	23.88	23.88	23.88	
Small Grain	191.68	191.68	191.68	191.68	191.68	191.68	191.68	191.68	191.68	191.68	191.68	191.68	
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	
Lettuce-early	343.01	343.01	343.01	343.01	343.01	343.01	343.01	343.01	343.01	343.01	343.01	343.01	
Lettuce-late	147.72	147.72	147.72	147.72	147.72	147.72	147.72	147.72	147.72	147.72	147.72	147.72	
Melons-spring	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	
Bermuda	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	
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	115.39	115.39	115.39	115.39	115.39	115.39	115.39	115.39	115.39	115.39	115.39	115.39	
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	
Crucifers	58.69	58.69	58.69	58.69	58.69	58.69	58.69	58.69	58.69	58.69	58.69	58.69	
Dates	0	0	0	0	0	0	0	0	0	0	0	0	
Safflower	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet J, Page 4 of 5			2001	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 Phreatophyte Acres	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	
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	719.90	719.90	719.90	719.90	719.90	719.90	719.90	719.90	719.90	719.90	719.90	719.90	
Sc-low	42.51	42.51	42.51	42.51	42.51	42.51	42.51	42.51	42.51	42.51	42.51	42.51	
Sc-high	61.80	61.80	61.80	61.80	61.80	61.80	61.80	61.80	61.80	61.80	61.80	61.80	
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	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	
Aw	24.39	24.39	24.39	24.39	24.39	24.39	24.39	24.39	24.39	24.39	24.39	24.39	
Cw	0	0	0	0	0	0	0	0	0	0	0	0	
Low Veg	126.98	126.98	126.98	126.98	126.98	126.98	126.98	126.98	126.98	126.98	126.98	126.98	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet J, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet K, Page 1 of 5			2001	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)													
(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 Ymarea01.xlw)													
(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, A	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
FYIR Mittry SWA & YPG, A	13	15	34	71	127	141	141	133	106	60	23	9	873
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet K, Page 2 of 5			2001	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
FYIR Mittry SWA & YPG, AZ													
Monthly ET values													
Marsh	1	1	6	11	15	16	16	15	12	4	1	1	99
Barren	0	0	1	0	1	1	1	1	0	0	0	0	5
Sc-low	0	0	1	2	3	3	3	3	3	2	1	0	21
Sc-high	6	8	16	34	64	72	72	68	54	31	11	4	440
Sc/ms	2	2	4	9	17	19	19	18	15	8	3	1	118
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	6	7	7	7	5	4	1	1	45
Ms-high	1	1	2	4	7	7	7	7	5	4	2	1	46
Ms/aw	0	0	0	1	2	2	2	2	1	1	0	0	12
Aw	1	1	2	4	8	9	9	9	7	4	2	1	57
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	1	1	2	4	4	4	4	3	2	1	0	29
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet K, Page 3 of 5			2001	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)													
	January	February	March	April	May	June	July	August	September	October	November	December	
FYIR Mittry SWA & 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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet K, Page 4 of 5			2001	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)													
	January	February	March	April	May	June	July	August	September	October	November	December	
FYIR Mittry SWA & YPG, AZ													
Acreages (acres)													
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet K, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet L, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	170	223	310	511	568	470	413	398	216	195	144	109	3,727
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	248	295	509	926	1659	1840	1842	1735	1385	857	381	183	11862
Monthly ET values													
Alfalfa-perennial	5	7	9	13	18	20	20	19	15	13	7	7	153
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	15	31	64	117	169	184	128	32	0	0	741
Small Grain	89	133	204	247	105	0	0	0	0	0	0	36	813
Field Grain	0	2	20	57	83	57	0	0	0	0	0	0	218
Lettuce-early	0	0	0	0	0	0	0	0	68	139	123	0	330
Lettuce-late	66	53	0	0	0	0	0	0	0	0	0	53	172
Melons-spring	0	13	26	42	54	0	0	0	0	0	0	0	135
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	1	2	4	5	2	0	0	0	0	0	0	13
Sudan	0	0	0	55	175	212	213	193	0	0	0	0	848
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	2	0	0	0	0	0	0	0	4	5	6	5	21
Dates	0	0	1	1	2	2	2	2	1	1	1	1	13
Safflower	0	5	19	43	62	59	9	0	0	0	0	0	198
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	8	10	15	18	0	0	0	0	0	5	7	8	70
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet L, Page 2 of 5			2001	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
FYIR, CA													
Monthly ET values													
Marsh	2	3	14	26	36	38	38	36	28	10	3	2	238
Barren	73	87	97	74	97	102	102	96	77	62	62	64	992
Sc-low	43	51	86	189	372	430	430	405	323	187	70	26	2612
Sc-high	19	23	47	103	195	217	218	205	164	94	34	12	1331
Sc/ms	19	23	48	108	206	231	231	217	173	100	36	12	1404
Sc/aw	8	9	19	42	80	89	89	84	67	38	14	5	542
Sc/ms/aw	2	2	5	11	20	22	22	21	16	11	4	1	136
Ms-low	6	8	15	28	48	53	53	50	40	27	11	4	344
Ms-high	3	3	7	15	26	28	28	26	21	14	6	2	179
Ms/aw	2	2	5	11	19	21	21	19	15	10	4	1	132
Aw	11	13	25	52	97	110	111	104	83	52	20	7	685
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	60	72	141	268	463	500	500	471	377	252	117	47	3266
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet L, Page 3 of 5			2001	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	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079
Alfalfa-perennial	29.72	29.72	29.72	29.72	29.72	29.72	29.72	29.72	29.72	29.72	29.72	29.72
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	225.34	225.34	225.34	225.34	225.34	225.34	225.34	225.34	225.34	225.34	225.34	225.34
Small Grain	487.84	487.84	487.84	487.84	487.84	487.84	487.84	487.84	487.84	487.84	487.84	487.84
Field Grain	94.85	94.85	94.85	94.85	94.85	94.85	94.85	94.85	94.85	94.85	94.85	94.85
Lettuce-early	445.98	445.98	445.98	445.98	445.98	445.98	445.98	445.98	445.98	445.98	445.98	445.98
Lettuce-late	333.89	333.89	333.89	333.89	333.89	333.89	333.89	333.89	333.89	333.89	333.89	333.89
Melons-spring	78.23	78.23	78.23	78.23	78.23	78.23	78.23	78.23	78.23	78.23	78.23	78.23
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	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85
Sudan	243.40	243.40	243.40	243.40	243.40	243.40	243.40	243.40	243.40	243.40	243.40	243.40
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	21.49	21.49	21.49	21.49	21.49	21.49	21.49	21.49	21.49	21.49	21.49	21.49
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	69.19	69.19	69.19	69.19	69.19	69.19	69.19	69.19	69.19	69.19	69.19	69.19
Orchards	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	40.35	40.35	40.35	40.35	40.35	40.35	40.35	40.35	40.35	40.35	40.35	40.35
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet L, Page 4 of 5			2001	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	3271	3271	3271	3271	3271	3271	3271	3271	3271	3271	3271	3271	
Marsh	41.44	41.44	41.44	41.44	41.44	41.44	41.44	41.44	41.44	41.44	41.44	41.44	
Barren	971.82	971.82	971.82	971.82	971.82	971.82	971.82	971.82	971.82	971.82	971.82	971.82	
Sc-low	571.71	571.71	571.71	571.71	571.71	571.71	571.71	571.71	571.71	571.71	571.71	571.71	
Sc-high	256.81	256.81	256.81	256.81	256.81	256.81	256.81	256.81	256.81	256.81	256.81	256.81	
Sc/ms	255.99	255.99	255.99	255.99	255.99	255.99	255.99	255.99	255.99	255.99	255.99	255.99	
Sc/aw	101.93	101.93	101.93	101.93	101.93	101.93	101.93	101.93	101.93	101.93	101.93	101.93	
Sc/ms/aw	24.47	24.47	24.47	24.47	24.47	24.47	24.47	24.47	24.47	24.47	24.47	24.47	
Ms-low	85.26	85.26	85.26	85.26	85.26	85.26	85.26	85.26	85.26	85.26	85.26	85.26	
Ms-high	35.56	35.56	35.56	35.56	35.56	35.56	35.56	35.56	35.56	35.56	35.56	35.56	
Ms/aw	27.42	27.42	27.42	27.42	27.42	27.42	27.42	27.42	27.42	27.42	27.42	27.42	
Aw	144.69	144.69	144.69	144.69	144.69	144.69	144.69	144.69	144.69	144.69	144.69	144.69	
Cw	0	0	0	0	0	0	0	0	0	0	0	0	
Low Veg	754.37	754.37	754.37	754.37	754.37	754.37	754.37	754.37	754.37	754.37	754.37	754.37	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet L, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet M, Page 1 of 5			2001	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)													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	853	988	1277	2205	3078	2973	2924	2781	1671	1593	1246	813	22,403
On-District Open-Water Evap.													
FYIR Bard Unit, CA	4	5	7	15	21	22	22	21	17	12	7	5	158
Total Phreatophyte ET													
FYIR Bard Unit, CA	13	16	31	65	123	137	137	129	103	61	23	9	846
Monthly ET values													
Alfalfa-perennial	34	53	69	95	137	154	153	146	110	102	53	54	1162
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	46	97	198	360	521	567	394	99	0	0	2282
Small Grain	234	348	536	648	275	0	0	0	0	0	0	94	2135
Field Grain	0	5	66	189	274	190	0	0	0	0	0	0	723
Lettuce-early	0	0	0	0	0	0	0	0	370	755	670	0	1795
Lettuce-late	293	237	0	0	0	0	0	0	0	0	0	237	768
Melons-spring	0	47	93	151	194	0	0	0	0	0	0	0	486
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	1	2	2	2	2	2	0	0	0	11
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	6	7	11	17	22	23	23	21	17	14	10	8	179
Citrus-mature	70	77	116	166	219	224	224	211	172	134	99	81	1793
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	347	1095	1330	1331	1211	0	0	0	0	5314
Legume/Solanum Veg	23	26	10	0	0	0	0	0	0	11	19	23	111
Crucifers	41	0	0	0	0	0	0	0	110	114	143	121	530
Dates	141	173	305	448	614	643	640	599	477	347	237	183	4805
Safflower	0	2	7	15	22	21	3	0	0	0	0	0	71
Orchards	0	0	1	2	4	4	4	4	3	2	2	1	29
Small Vegetables	6	7	11	13	0	0	0	0	0	3	5	6	52
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet M, Page 2 of 5			2001	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)													
(All values in acre-feet)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
FYIR Bard Unit, CA													
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	10
Sc-low	3	3	6	13	25	29	30	28	22	13	5	2	179
Sc-high	4	5	10	22	41	46	46	43	35	20	7	2	282
Sc/ms	2	3	6	14	26	29	30	28	22	13	5	2	180
Sc/aw	1	1	2	4	8	9	9	9	7	4	1	0	57
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	1	3	7	12	13	13	12	10	6	3	1	83
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	8	9	9	8	6	4	2	1	56
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet M, Page 3 of 5			2001	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	10387	10387	10387	10387	10387	10387	10387	10387	10387	10387	10387	10387	
Alfalfa-perennial	225.09	225.09	225.09	225.09	225.09	225.09	225.09	225.09	225.09	225.09	225.09	225.09	
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	693.85	693.85	693.85	693.85	693.85	693.85	693.85	693.85	693.85	693.85	693.85	693.85	
Small Grain	1280.91	1280.91	1280.91	1280.91	1280.91	1280.91	1280.91	1280.91	1280.91	1280.91	1280.91	1280.91	
Field Grain	314.70	314.70	314.70	314.70	314.70	314.70	314.70	314.70	314.70	314.70	314.70	314.70	
Lettuce-early	2423.18	2423.18	2423.18	2423.18	2423.18	2423.18	2423.18	2423.18	2423.18	2423.18	2423.18	2423.18	
Lettuce-late	1491.81	1491.81	1491.81	1491.81	1491.81	1491.81	1491.81	1491.81	1491.81	1491.81	1491.81	1491.81	
Melons-spring	280.91	280.91	280.91	280.91	280.91	280.91	280.91	280.91	280.91	280.91	280.91	280.91	
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	
Bermuda	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	
Citrus-young	85.95	85.95	85.95	85.95	85.95	85.95	85.95	85.95	85.95	85.95	85.95	85.95	
Citrus-mature	508.33	508.33	508.33	508.33	508.33	508.33	508.33	508.33	508.33	508.33	508.33	508.33	
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	1524.32	1524.32	1524.32	1524.32	1524.32	1524.32	1524.32	1524.32	1524.32	1524.32	1524.32	1524.32	
Legume/Solanum Veg	103.22	103.22	103.22	103.22	103.22	103.22	103.22	103.22	103.22	103.22	103.22	103.22	
Crucifers	537.92	537.92	537.92	537.92	537.92	537.92	537.92	537.92	537.92	537.92	537.92	537.92	
Dates	852.23	852.23	852.23	852.23	852.23	852.23	852.23	852.23	852.23	852.23	852.23	852.23	
Safflower	24.79	24.79	24.79	24.79	24.79	24.79	24.79	24.79	24.79	24.79	24.79	24.79	
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	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet M, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet M, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet N, Page 1 of 5			2001	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)													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	938	1154	1382	2073	2050	1376	1203	1090	669	1195	1134	690	14,953
On-District Open-Water Evap.													
FYIR Indian Unit, CA	3	4	5	10	14	15	15	14	11	8	5	3	106
Total Phreatophyte ET													
FYIR Indian Unit, CA	27	32	55	107	199	222	222	209	167	99	41	18	1398
Monthly ET values													
Alfalfa-perennial	6	10	13	18	25	29	28	27	20	19	10	10	216
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	1	2	5	9	13	14	10	2	0	0	57
Small Grain	500	744	1146	1386	589	0	0	0	0	0	0	201	4566
Field Grain	0	3	45	129	188	130	0	0	0	0	0	0	496
Lettuce-early	0	0	0	0	0	0	0	0	479	978	868	0	2326
Lettuce-late	297	240	0	0	0	0	0	0	0	0	0	240	777
Melons-spring	0	56	110	180	231	0	0	0	0	0	0	0	577
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	1	2	2	2	5	5	5	5	4	1	2	2	34
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	293	926	1125	1126	1024	0	0	0	0	4495
Legume/Solanum Veg	74	85	33	0	0	0	0	0	0	36	62	75	365
Crucifers	52	0	0	0	0	0	0	0	140	144	182	154	673
Dates	2	2	3	5	7	7	7	7	5	4	3	2	53
Safflower	0	5	18	41	60	57	9	0	0	0	0	0	190
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	3	3	5	6	0	0	0	0	0	2	2	3	24
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet N, Page 2 of 5			2001	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
FYIR Indian Unit, CA													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	7	8	9	7	9	9	9	9	7	6	6	6	89
Sc-low	4	5	9	19	37	43	43	40	32	19	7	3	261
Sc-high	11	13	28	61	115	128	128	121	96	55	20	7	784
Sc/ms	1	1	2	4	7	8	8	8	6	4	1	0	50
Sc/aw	1	1	2	4	7	8	8	7	6	3	1	0	48
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	1	2	2	2	2	1	1	0	0	12
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	3	3	7	13	22	23	23	22	18	12	5	2	153
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet N, Page 3 of 5			2001	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)													
	January	February	March	April	May	June	July	August	September	October	November	December	
FYIR Indian Unit, CA													
Acreages (acres)													
Total Agricultural Acres	10403	10403	10403	10403	10403	10403	10403	10403	10403	10403	10403	10403	
* - Includes 13.52 acres of commercial flowers in the Small Vegetables acreage.													
Alfalfa-perennial	41.78	41.78	41.78	41.78	41.78	41.78	41.78	41.78	41.78	41.78	41.78	41.78	
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	17.32	17.32	17.32	17.32	17.32	17.32	17.32	17.32	17.32	17.32	17.32	17.32	
Small Grain	2739.80	2739.80	2739.80	2739.80	2739.80	2739.80	2739.80	2739.80	2739.80	2739.80	2739.80	2739.80	
Field Grain	215.66	215.66	215.66	215.66	215.66	215.66	215.66	215.66	215.66	215.66	215.66	215.66	
Lettuce-early	3139.08	3139.08	3139.08	3139.08	3139.08	3139.08	3139.08	3139.08	3139.08	3139.08	3139.08	3139.08	
Lettuce-late	1508.92	1508.92	1508.92	1508.92	1508.92	1508.92	1508.92	1508.92	1508.92	1508.92	1508.92	1508.92	
Melons-spring	333.98	333.98	333.98	333.98	333.98	333.98	333.98	333.98	333.98	333.98	333.98	333.98	
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	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	
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	1289.38	1289.38	1289.38	1289.38	1289.38	1289.38	1289.38	1289.38	1289.38	1289.38	1289.38	1289.38	
Legume/Solanum Veg	338.16	338.16	338.16	338.16	338.16	338.16	338.16	338.16	338.16	338.16	338.16	338.16	
Crucifers	682.42	682.42	682.42	682.42	682.42	682.42	682.42	682.42	682.42	682.42	682.42	682.42	
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	66.24	66.24	66.24	66.24	66.24	66.24	66.24	66.24	66.24	66.24	66.24	66.24	
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	
Small Vegetables*	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet N, Page 4 of 5			2001	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)													
	January	February	March	April	May	June	July	August	September	October	November	December	
FYIR Indian Unit, CA													
Acreages (acres)													
Total Phreatophyte Acres	352	352	352	352	352	352	352	352	352	352	352	352	
Marsh	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Barren	87.36	87.36	87.36	87.36	87.36	87.36	87.36	87.36	87.36	87.36	87.36	87.36	
Sc-low	57.06	57.06	57.06	57.06	57.06	57.06	57.06	57.06	57.06	57.06	57.06	57.06	
Sc-high	151.25	151.25	151.25	151.25	151.25	151.25	151.25	151.25	151.25	151.25	151.25	151.25	
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	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	
Cw	0	0	0	0	0	0	0	0	0	0	0	0	
Low Veg	35.30	35.30	35.30	35.30	35.30	35.30	35.30	35.30	35.30	35.30	35.30	35.30	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet N, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet O, Page 1 of 5			2001	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)													
(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 Ymarea01.xlw)													
(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	0	0	0	0	4
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet O, Page 2 of 5			2001	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
FYIR & Picacho SRA, CA													
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	1
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet O, Page 3 of 5			2001	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)													
	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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet O, Page 4 of 5			2001	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)													
	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	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet O, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet P, Page 1 of 5			2001	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)													
(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 Ymarea01.xlw)													
(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	14	17	34	67	121	135	135	127	101	59	23	10	843
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet P, Page 2 of 5			2001	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
FYIR & YPG, CA													
Monthly ET values													
Marsh	1	1	4	7	10	10	10	10	8	3	1	1	65
Barren	3	3	4	3	4	4	4	4	3	2	2	2	37
Sc-low	2	2	4	9	18	21	21	20	16	9	3	1	127
Sc-high	3	4	8	19	35	39	39	37	30	17	6	2	241
Sc/ms	2	2	4	9	18	20	20	18	15	8	3	1	119
Sc/aw	2	2	4	9	16	18	18	17	14	8	3	1	110
Sc/ms/aw	1	1	2	4	7	8	8	7	6	4	1	0	49
Ms-low	0	0	0	1	1	2	2	2	1	1	0	0	11
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	0	0	1	2	4	4	4	4	3	2	1	0	25
Aw	0	0	1	2	3	3	3	3	2	2	1	0	20
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	1	1	2	3	6	6	6	6	5	3	1	1	40
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet P, Page 3 of 5			2001	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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet P, Page 4 of 5			2001	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	36.26	36.26	36.26	36.26	36.26	36.26	36.26	36.26	36.26	36.26	36.26	36.26	
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	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	
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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet P, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet Q, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	361	408	338	358	470	481	481	454	370	394	393	394	4,901
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	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	45	49	75	119	156	160	160	151	123	96	71	58	1264
Citrus-mature	100	111	166	239	313	321	321	302	247	193	142	117	2570
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	216	249	96	0	0	0	0	0	0	106	180	220	1067
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Q, Page 2 of 5			2001	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
Hillander "C" ID, AZ													
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Q, Page 3 of 5			2001	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	2324	2324	2324	2324	2324	2324	2324	2324	2324	2324	2324	2324	
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	607.06	607.06	607.06	607.06	607.06	607.06	607.06	607.06	607.06	607.06	607.06	607.06	
Citrus-mature	728.80	728.80	728.80	728.80	728.80	728.80	728.80	728.80	728.80	728.80	728.80	728.80	
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	987.95	987.95	987.95	987.95	987.95	987.95	987.95	987.95	987.95	987.95	987.95	987.95	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Q, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Q, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet R, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	3	1	1	2	4	5	5	5	9	8	8	6	56
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	86	102	243	488	826	909	909	856	683	373	141	62	5677
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	1	1	1	1	1	0	0	0	6
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	1	1	0	2
Lettuce-late	1	1	0	0	0	0	0	0	0	0	0	1	2
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	2	0	0	0	0	0	0	0	4	4	5	5	20
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	2	4	4	4	4	3	2	1	1	26
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet R, Page 2 of 5			2001	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
Imperial NWR, AZ													
Monthly ET values													
Marsh	15	18	84	164	225	237	237	223	177	65	19	15	1481
Barren	7	9	10	7	10	10	10	10	8	6	6	6	100
Sc-low	13	15	26	57	113	130	130	123	98	57	21	8	791
Sc-high	12	14	29	63	120	134	134	126	100	58	21	7	818
Sc/ms	8	10	21	47	90	100	100	94	75	43	15	5	610
Sc/aw	4	5	10	21	41	45	45	43	34	20	7	2	276
Sc/ms/aw	3	4	9	20	37	41	41	39	31	20	8	2	257
Ms-low	4	5	10	19	33	36	36	34	27	19	8	3	234
Ms-high	2	2	5	11	20	21	21	20	16	10	5	2	135
Ms/aw	4	5	11	22	38	41	41	38	31	20	8	3	261
Aw	7	8	16	34	63	72	72	67	54	34	13	5	443
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	5	6	12	22	38	42	42	39	31	21	10	4	271
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet R, Page 3 of 5			2001	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	35	35	35	35	35	35	35	35	35	35	35	35	
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	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	
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	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	
Lettuce-late	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	
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	20.53	20.53	20.53	20.53	20.53	20.53	20.53	20.53	20.53	20.53	20.53	20.53	
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	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet R, Page 4 of 5			2001	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	1192	1192	1192	1192	1192	1192	1192	1192	1192	1192	1192	1192	
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	173.19	173.19	173.19	173.19	173.19	173.19	173.19	173.19	173.19	173.19	173.19	173.19	
Sc-high	157.72	157.72	157.72	157.72	157.72	157.72	157.72	157.72	157.72	157.72	157.72	157.72	
Sc/ms	111.25	111.25	111.25	111.25	111.25	111.25	111.25	111.25	111.25	111.25	111.25	111.25	
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	46.10	46.10	46.10	46.10	46.10	46.10	46.10	46.10	46.10	46.10	46.10	46.10	
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	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet R, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet S, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(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	4	5	7	8	13	15	15	14	11	7	4	3	105
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet S, Page 2 of 5			2001	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
Imperial NWR, CA													
Monthly ET values													
Marsh	0	0	1	2	3	3	3	3	2	1	0	0	19
Barren	3	4	4	3	4	4	4	4	3	3	3	3	41
Sc-low	1	1	1	3	6	7	7	7	6	3	1	0	45
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet S, Page 3 of 5			2001	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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet S, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet S, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet T, Page 1 of 5			2001	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)													
(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 Ymarea01.xlw)													
(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	4	7	8	8	8	6	4	2	1	51
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet T, Page 2 of 5			2001	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
Imperial NWR & YPG, CA													
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	2	3	3	2	2	1	0	0	15
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	2	3	3	3	3	2	1	1	0	19
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet T, Page 3 of 5			2001	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 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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet T, Page 4 of 5			2001	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet T, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet U, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	5	2	2	5	9	13	18	19	21	14	12	9	131
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	154	183	397	835	1505	1670	1672	1574	1256	732	276	102	10357
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	1	3	5	10	14	15	11	3	0	0	62
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	2	3	3	0	8
Lettuce-late	2	2	0	0	0	0	0	0	0	0	0	2	6
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	2	0	0	0	0	0	0	0	6	6	8	7	30
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	2	4	4	4	4	3	2	1	1	26
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet U, Page 2 of 5			2001	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
Mittry Lake SWA, AZ													
Monthly ET values													
Marsh	10	11	53	103	141	148	148	140	111	41	12	9	926
Barren	2	3	3	2	3	3	3	3	2	2	2	2	31
Sc-low	16	19	32	69	136	157	157	148	118	68	26	10	955
Sc-high	41	49	101	222	419	467	467	440	351	202	74	25	2858
Sc/ms	17	21	43	97	186	207	207	195	156	90	32	11	1261
Sc/aw	12	14	30	66	126	140	141	132	106	61	22	7	857
Sc/ms/aw	5	5	13	27	50	55	55	52	42	27	10	3	343
Ms-low	13	15	29	55	95	105	105	99	79	54	22	8	678
Ms-high	4	4	9	20	35	37	37	35	28	18	8	3	238
Ms/aw	12	15	32	66	115	123	123	116	93	61	26	9	789
Aw	19	23	45	92	172	197	197	185	148	92	36	12	1219
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	4	4	9	17	29	31	31	29	23	16	7	3	202
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet U, Page 3 of 5			2001	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	77	77	77	77	77	77	77	77	77	77	77	77	
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	18.72	18.72	18.72	18.72	18.72	18.72	18.72	18.72	18.72	18.72	18.72	18.72	
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	10.54	10.54	10.54	10.54	10.54	10.54	10.54	10.54	10.54	10.54	10.54	10.54	
Lettuce-late	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	
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	30.18	30.18	30.18	30.18	30.18	30.18	30.18	30.18	30.18	30.18	30.18	30.18	
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	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet U, Page 4 of 5			2001	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	2088	2088	2088	2088	2088	2088	2088	2088	2088	2088	2088	2088	
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	257.64	257.64	257.64	257.64	257.64	257.64	257.64	257.64	257.64	257.64	257.64	257.64	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet U, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet V, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	65	77	85	113	79	44	44	40	13	21	19	40	639
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	16	28	56	105	118	118	111	89	53	21	9	735
Monthly ET values													
Alfalfa-perennial	1	1	1	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	36	54	83	101	43	0	0	0	0	0	0	15	332
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	9	17	15	0	41
Lettuce-late	27	22	0	0	0	0	0	0	0	0	0	22	71
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	11	34	41	41	37	0	0	0	0	163
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	2	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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet V, Page 2 of 5			2001	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
North Cocopah IR, AZ													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	2	2	2	2	2	2	2	2	2	1	1	2	23
Sc-low	6	7	11	25	49	56	56	53	42	24	9	3	341
Sc-high	1	2	3	7	13	15	15	14	11	6	2	1	90
Sc/ms	2	2	4	9	18	20	20	19	15	8	3	1	120
Sc/aw	0	0	1	2	3	4	4	4	3	2	1	0	24
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	6	11	19	21	21	20	16	11	5	2	137
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet V, Page 3 of 5			2001	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	453	453	453	453	453	453	453	453	453	453	453	453	
Alfalfa-perennial	4.52	4.52	4.52	4.52	4.52	4.52	4.52	4.52	4.52	4.52	4.52	4.52	
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	199.13	199.13	199.13	199.13	199.13	199.13	199.13	199.13	199.13	199.13	199.13	199.13	
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	
Lettuce-early	55.87	55.87	55.87	55.87	55.87	55.87	55.87	55.87	55.87	55.87	55.87	55.87	
Lettuce-late	138.14	138.14	138.14	138.14	138.14	138.14	138.14	138.14	138.14	138.14	138.14	138.14	
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	46.65	46.65	46.65	46.65	46.65	46.65	46.65	46.65	46.65	46.65	46.65	46.65	
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	
Crucifers	8.78	8.78	8.78	8.78	8.78	8.78	8.78	8.78	8.78	8.78	8.78	8.78	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet V, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet V, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet W, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	649	707	830	1623	2444	2682	2838	2785	1542	1431	1087	513	19,130
On-District Open-Water Evap.													
North Gila Valley ID, AZ	1	2	2	4	6	6	6	6	5	3	2	1	46
Total Phreatophyte ET													
North Gila Valley ID, AZ	36	42	85	165	289	318	318	300	239	142	59	26	2020
Monthly ET values													
Alfalfa-perennial	25	39	51	70	101	114	113	108	81	75	39	40	858
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	99	207	425	774	1119	1217	846	214	0	0	4900
Small Grain	257	383	589	713	303	0	0	0	0	0	0	103	2348
Field Grain	0	5	64	184	267	185	0	0	0	0	0	0	704
Lettuce-early	0	0	0	0	0	0	0	0	506	1034	918	0	2457
Lettuce-late	319	258	0	0	0	0	0	0	0	0	0	258	836
Melons-spring	0	4	8	13	16	0	0	0	0	0	0	0	41
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	1	4	4	4	4	3	0	0	0	20
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	2	2	4	6	8	8	8	7	6	5	3	3	62
Citrus-mature	3	4	6	8	11	11	11	10	9	7	5	4	89
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	410	1294	1572	1573	1430	0	0	0	0	6279
Legume/Solanum Veg	8	9	4	0	0	0	0	0	0	4	7	8	40
Crucifers	32	0	0	0	0	0	0	0	86	89	112	95	413
Dates	0	1	1	1	2	2	2	2	2	1	1	1	16
Safflower	0	1	2	5	7	7	1	0	0	0	0	0	23
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet W, Page 2 of 5			2001	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
North Gila Valley ID, AZ													
Monthly ET values													
Marsh	2	3	13	26	35	37	37	35	28	10	3	2	232
Barren	5	6	7	5	7	8	8	7	6	5	5	5	73
Sc-low	5	5	9	20	40	46	46	43	35	20	7	3	279
Sc-high	2	3	5	12	22	25	25	23	19	11	4	1	152
Sc/ms	5	6	12	27	52	58	58	54	43	25	9	3	351
Sc/aw	0	0	0	0	0	0	0	0	0	0	0	0	1
Sc/ms/aw	1	1	2	4	7	7	8	7	6	4	1	0	47
Ms-low	2	2	4	7	13	14	14	13	10	7	3	1	90
Ms-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Ms/aw	2	2	5	10	18	19	19	18	14	9	4	1	123
Aw	3	3	6	13	24	27	27	26	21	13	5	2	169
Cw	0	0	0	1	1	1	1	1	1	1	0	0	9
Low Veg	9	11	21	41	70	76	76	71	57	38	18	7	495
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet W, Page 3 of 5			2001	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	10663	10663	10663	10663	10663	10663	10663	10663	10663	10663	10663	10663	
Alfalfa-perennial	166.25	166.25	166.25	166.25	166.25	166.25	166.25	166.25	166.25	166.25	166.25	166.25	
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	1490.05	1490.05	1490.05	1490.05	1490.05	1490.05	1490.05	1490.05	1490.05	1490.05	1490.05	1490.05	
Small Grain	1408.81	1408.81	1408.81	1408.81	1408.81	1408.81	1408.81	1408.81	1408.81	1408.81	1408.81	1408.81	
Field Grain	306.30	306.30	306.30	306.30	306.30	306.30	306.30	306.30	306.30	306.30	306.30	306.30	
Lettuce-early	3316.40	3316.40	3316.40	3316.40	3316.40	3316.40	3316.40	3316.40	3316.40	3316.40	3316.40	3316.40	
Lettuce-late	1623.25	1623.25	1623.25	1623.25	1623.25	1623.25	1623.25	1623.25	1623.25	1623.25	1623.25	1623.25	
Melons-spring	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	
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	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	
Citrus-mature	25.14	25.14	25.14	25.14	25.14	25.14	25.14	25.14	25.14	25.14	25.14	25.14	
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	1801.22	1801.22	1801.22	1801.22	1801.22	1801.22	1801.22	1801.22	1801.22	1801.22	1801.22	1801.22	
Legume/Solanum Veg	36.67	36.67	36.67	36.67	36.67	36.67	36.67	36.67	36.67	36.67	36.67	36.67	
Crucifers	418.88	418.88	418.88	418.88	418.88	418.88	418.88	418.88	418.88	418.88	418.88	418.88	
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	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet W, Page 4 of 5			2001	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	474	474	474	474	474	474	474	474	474	474	474	474	
Marsh	40.43	40.43	40.43	40.43	40.43	40.43	40.43	40.43	40.43	40.43	40.43	40.43	
Barren	71.65	71.65	71.65	71.65	71.65	71.65	71.65	71.65	71.65	71.65	71.65	71.65	
Sc-low	61.12	61.12	61.12	61.12	61.12	61.12	61.12	61.12	61.12	61.12	61.12	61.12	
Sc-high	29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30	
Sc/ms	64.08	64.08	64.08	64.08	64.08	64.08	64.08	64.08	64.08	64.08	64.08	64.08	
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	22.19	22.19	22.19	22.19	22.19	22.19	22.19	22.19	22.19	22.19	22.19	22.19	
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	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	
Cw	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	
Low Veg	114.28	114.28	114.28	114.28	114.28	114.28	114.28	114.28	114.28	114.28	114.28	114.28	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet W, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet X, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(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	6	10	18	20	20	19	15	10	4	2	130
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet X, Page 2 of 5			2001	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
Picacho SR Lands, CA													
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	4
Sc-low	0	0	1	1	2	3	3	2	2	1	0	0	16
Sc-high	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/ms	0	0	1	1	2	2	2	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	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	15	15	14	11	7	3	1	95
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet X, Page 3 of 5			2001	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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet X, Page 4 of 5			2001	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	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	
Sc-low	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-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	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	21.98	21.98	21.98	21.98	21.98	21.98	21.98	21.98	21.98	21.98	21.98	21.98	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet X, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet Y, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	156	129	139	395	789	990	1057	1071	623	353	216	161	6,081
On-District Open-Water Evap.													
Sturges GM Ranch, AZ	1	1	1	2	3	3	3	3	2	2	1	1	21
Total Phreatophyte ET													
Sturges GM Ranch, AZ	11	13	41	80	121	130	130	122	97	46	17	9	816
Monthly ET values													
Alfalfa-perennial	3	5	6	9	13	14	14	14	10	10	5	5	109
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	54	113	232	423	611	665	462	117	0	0	2678
Small Grain	7	10	16	19	8	0	0	0	0	0	0	3	62
Field Grain	0	3	40	116	169	117	0	0	0	0	0	0	445
Lettuce-early	0	0	0	0	0	0	0	0	79	162	144	0	385
Lettuce-late	120	97	0	0	0	0	0	0	0	0	0	97	314
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	12	12	19	31	40	41	41	39	32	24	18	15	324
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	101	318	386	386	351	0	0	0	0	1542
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	14	0	0	0	0	0	0	0	37	39	49	41	179
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	1	2	5	7	6	1	0	0	0	0	0	21
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Y, Page 2 of 5			2001	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
Sturges GM Ranch, AZ													
Monthly ET values													
Marsh	5	6	27	53	73	77	77	73	58	21	6	5	481
Barren	0	0	0	0	0	0	0	0	0	0	0	0	3
Sc-low	1	1	2	3	7	8	8	7	6	3	1	0	46
Sc-high	2	2	4	8	16	18	18	17	13	8	3	1	107
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	0	0	0	0	1	1	1	1	0	0	0	0	4
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	4	8	14	25	27	27	25	20	14	6	2	175
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Y, Page 3 of 5			2001	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	2984	2984	2984	2984	2984	2984	2984	2984	2984	2984	2984	2984	
Alfalfa-perennial	21.12	21.12	21.12	21.12	21.12	21.12	21.12	21.12	21.12	21.12	21.12	21.12	
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	814.35	814.35	814.35	814.35	814.35	814.35	814.35	814.35	814.35	814.35	814.35	814.35	
Small Grain	37.47	37.47	37.47	37.47	37.47	37.47	37.47	37.47	37.47	37.47	37.47	37.47	
Field Grain	193.81	193.81	193.81	193.81	193.81	193.81	193.81	193.81	193.81	193.81	193.81	193.81	
Lettuce-early	519.54	519.54	519.54	519.54	519.54	519.54	519.54	519.54	519.54	519.54	519.54	519.54	
Lettuce-late	610.29	610.29	610.29	610.29	610.29	610.29	610.29	610.29	610.29	610.29	610.29	610.29	
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	155.35	155.35	155.35	155.35	155.35	155.35	155.35	155.35	155.35	155.35	155.35	155.35	
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	442.40	442.40	442.40	442.40	442.40	442.40	442.40	442.40	442.40	442.40	442.40	442.40	
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	
Crucifers	181.95	181.95	181.95	181.95	181.95	181.95	181.95	181.95	181.95	181.95	181.95	181.95	
Dates	0	0	0	0	0	0	0	0	0	0	0	0	
Safflower	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Y, Page 4 of 5			2001	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	159	159	159	159	159	159	159	159	159	159	159	159	
Marsh	83.84	83.84	83.84	83.84	83.84	83.84	83.84	83.84	83.84	83.84	83.84	83.84	
Barren	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	
Sc-low	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	10.03	
Sc-high	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	20.69	
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	
Sc/aw	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	
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	40.46	40.46	40.46	40.46	40.46	40.46	40.46	40.46	40.46	40.46	40.46	40.46	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Y, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet Z, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	317	364	426	681	965	995	982	919	539	568	453	347	7,554
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	216	257	507	1004	1795	1987	1989	1873	1494	876	353	153	12504
Monthly ET values													
Alfalfa-perennial	46	72	94	129	187	210	209	198	150	138	73	74	1579
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	3	7	14	25	36	40	28	7	0	0	159
Small Grain	51	76	117	142	60	0	0	0	0	0	0	21	467
Field Grain	0	1	8	22	33	23	0	0	0	0	0	0	86
Lettuce-early	0	0	0	0	0	0	0	0	86	175	155	0	416
Lettuce-late	66	54	0	0	0	0	0	0	0	0	0	54	173
Melons-spring	0	4	9	14	18	0	0	0	0	0	0	0	45
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	4	7	9	9	9	9	7	5	4	3	72
Citrus-mature	73	80	120	173	227	232	232	219	179	139	103	84	1861
Citrus-declining	2	2	4	5	7	7	7	7	6	4	3	3	58
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	112	352	428	428	389	0	0	0	0	1709
Legume/Solanum Veg	35	41	16	0	0	0	0	0	0	17	29	36	174
Crucifers	15	0	0	0	0	0	0	0	40	41	52	44	191
Dates	13	16	29	42	58	61	60	57	45	33	22	17	454
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	13	15	23	28	0	0	0	0	0	7	11	12	108
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Z, Page 2 of 5			2001	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
State of AZ													
Monthly ET values													
Marsh	11	13	59	114	157	165	165	156	123	46	13	10	1032
Barren	38	45	50	38	50	53	53	50	40	32	32	33	514
Sc-low	29	35	59	129	254	294	294	277	221	128	48	18	1787
Sc-high	36	42	87	192	362	403	404	380	303	175	64	22	2469
Sc/ms	30	36	75	169	322	360	360	339	271	155	56	18	2190
Sc/aw	18	22	45	101	192	214	214	202	161	92	33	11	1305
Sc/ms/aw	3	4	8	18	33	37	37	34	28	18	7	2	227
Ms-low	5	6	12	23	40	44	44	42	33	23	9	3	285
Ms-high	7	8	18	38	67	71	71	67	54	36	16	5	458
Ms/aw	8	10	21	44	76	81	81	76	61	40	17	6	520
Aw	5	6	11	23	44	50	50	47	38	23	9	3	310
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	26	31	61	115	199	215	215	203	162	108	50	20	1406
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet Z, Page 3 of 5			2001	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	3170	3170	3170	3170	3170	3170	3170	3170	3170	3170	3170	3170	
Alfalfa-perennial	305.90	305.90	305.90	305.90	305.90	305.90	305.90	305.90	305.90	305.90	305.90	305.90	
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	48.49	48.49	48.49	48.49	48.49	48.49	48.49	48.49	48.49	48.49	48.49	48.49	
Small Grain	280.23	280.23	280.23	280.23	280.23	280.23	280.23	280.23	280.23	280.23	280.23	280.23	
Field Grain	37.52	37.52	37.52	37.52	37.52	37.52	37.52	37.52	37.52	37.52	37.52	37.52	
Lettuce-early	561.01	561.01	561.01	561.01	561.01	561.01	561.01	561.01	561.01	561.01	561.01	561.01	
Lettuce-late	336.25	336.25	336.25	336.25	336.25	336.25	336.25	336.25	336.25	336.25	336.25	336.25	
Melons-spring	25.93	25.93	25.93	25.93	25.93	25.93	25.93	25.93	25.93	25.93	25.93	25.93	
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	34.52	34.52	34.52	34.52	34.52	34.52	34.52	34.52	34.52	34.52	34.52	34.52	
Citrus-mature	527.83	527.83	527.83	527.83	527.83	527.83	527.83	527.83	527.83	527.83	527.83	527.83	
Citrus-declining	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	
Sudan	490.25	490.25	490.25	490.25	490.25	490.25	490.25	490.25	490.25	490.25	490.25	490.25	
Legume/Solanum Veg	161.34	161.34	161.34	161.34	161.34	161.34	161.34	161.34	161.34	161.34	161.34	161.34	
Crucifers	194.13	194.13	194.13	194.13	194.13	194.13	194.13	194.13	194.13	194.13	194.13	194.13	
Dates	80.57	80.57	80.57	80.57	80.57	80.57	80.57	80.57	80.57	80.57	80.57	80.57	
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	62.34	62.34	62.34	62.34	62.34	62.34	62.34	62.34	62.34	62.34	62.34	62.34	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Z, Page 4 of 5			2001	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	2896	2896	2896	2896	2896	2896	2896	2896	2896	2896	2896	2896	
Marsh	180.04	180.04	180.04	180.04	180.04	180.04	180.04	180.04	180.04	180.04	180.04	180.04	
Barren	503.30	503.30	503.30	503.30	503.30	503.30	503.30	503.30	503.30	503.30	503.30	503.30	
Sc-low	391.07	391.07	391.07	391.07	391.07	391.07	391.07	391.07	391.07	391.07	391.07	391.07	
Sc-high	476.41	476.41	476.41	476.41	476.41	476.41	476.41	476.41	476.41	476.41	476.41	476.41	
Sc/ms	399.42	399.42	399.42	399.42	399.42	399.42	399.42	399.42	399.42	399.42	399.42	399.42	
Sc/aw	245.35	245.35	245.35	245.35	245.35	245.35	245.35	245.35	245.35	245.35	245.35	245.35	
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	65.45	65.45	65.45	65.45	65.45	65.45	65.45	65.45	65.45	65.45	65.45	65.45	
Cw	0	0	0	0	0	0	0	0	0	0	0	0	
Low Veg	324.64	324.64	324.64	324.64	324.64	324.64	324.64	324.64	324.64	324.64	324.64	324.64	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet Z, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AA, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	120	138	166	244	265	269	314	313	170	99	74	100	2,272
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	86	102	182	359	661	740	741	698	557	338	140	59	4663
Monthly ET values													
Alfalfa-perennial	3	4	6	8	12	13	13	12	9	9	5	5	98
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	14	28	58	106	154	167	116	29	0	0	673
Small Grain	59	88	136	164	70	0	0	0	0	0	0	24	540
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	11	22	19	0	51
Lettuce-late	30	24	0	0	0	0	0	0	0	0	0	24	79
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	35	111	135	135	123	0	0	0	0	538
Legume/Solanum Veg	17	19	7	0	0	0	0	0	0	8	14	17	83
Crucifers	10	0	0	0	0	0	0	0	26	27	34	29	126
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	0	1	2	3	3	0	0	0	0	0	0	9
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	1	1	2	6	11	12	12	11	8	5	2	2	74
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AA, Page 2 of 5			2001	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
State of AZ-Limitrophe													
Monthly ET values													
Marsh	0	1	3	5	7	7	7	7	5	2	1	0	46
Barren	15	17	20	15	20	21	21	19	15	12	12	13	199
Sc-low	27	32	54	118	233	270	270	254	203	117	44	16	1639
Sc-high	9	11	23	50	94	104	105	99	79	45	16	6	640
Sc/ms	6	7	14	32	61	68	68	64	51	29	10	3	413
Sc/aw	3	4	8	18	34	38	38	35	28	16	6	2	230
Sc/ms/aw	0	0	1	1	3	3	3	3	2	1	1	0	19
Ms-low	4	5	10	18	31	34	34	32	26	18	7	3	222
Ms-high	3	3	7	14	25	27	27	25	20	13	6	2	171
Ms/aw	4	5	10	21	37	39	39	37	30	20	8	3	253
Aw	5	5	11	22	41	47	47	44	35	22	9	3	289
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	10	12	24	45	77	83	83	78	63	42	19	8	544
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AA, Page 3 of 5			2001	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	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	
* - Includes 5.19 acres of Guayule crop in Perennial Vegetables acreage.													
Alfalfa-perennial	18.98	18.98	18.98	18.98	18.98	18.98	18.98	18.98	18.98	18.98	18.98	18.98	
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	204.77	204.77	204.77	204.77	204.77	204.77	204.77	204.77	204.77	204.77	204.77	204.77	
Small Grain	324.17	324.17	324.17	324.17	324.17	324.17	324.17	324.17	324.17	324.17	324.17	324.17	
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	
Lettuce-early	68.99	68.99	68.99	68.99	68.99	68.99	68.99	68.99	68.99	68.99	68.99	68.99	
Lettuce-late	153.47	153.47	153.47	153.47	153.47	153.47	153.47	153.47	153.47	153.47	153.47	153.47	
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	154.40	154.40	154.40	154.40	154.40	154.40	154.40	154.40	154.40	154.40	154.40	154.40	
Legume/Solanum Veg	76.47	76.47	76.47	76.47	76.47	76.47	76.47	76.47	76.47	76.47	76.47	76.47	
Crucifers	128.06	128.06	128.06	128.06	128.06	128.06	128.06	128.06	128.06	128.06	128.06	128.06	
Dates	0	0	0	0	0	0	0	0	0	0	0	0	
Safflower	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	
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*	16.71	16.71	16.71	16.71	16.71	16.71	16.71	16.71	16.71	16.71	16.71	16.71	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AA, Page 4 of 5			2001	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	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	
Marsh	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	7.97	
Barren	195.40	195.40	195.40	195.40	195.40	195.40	195.40	195.40	195.40	195.40	195.40	195.40	
Sc-low	358.71	358.71	358.71	358.71	358.71	358.71	358.71	358.71	358.71	358.71	358.71	358.71	
Sc-high	123.40	123.40	123.40	123.40	123.40	123.40	123.40	123.40	123.40	123.40	123.40	123.40	
Sc/ms	75.28	75.28	75.28	75.28	75.28	75.28	75.28	75.28	75.28	75.28	75.28	75.28	
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	125.53	125.53	125.53	125.53	125.53	125.53	125.53	125.53	125.53	125.53	125.53	125.53	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AA, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AB, Page 1 of 5			2001	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])													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	805	1156	1612	2239	3086	3345	3331	3157	2442	2145	1240	1155	25,711
On-District Open-Water Evap.													
State of AZ-DG from YMID	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Phreatophyte ET													
State of AZ-DG from YMID	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly ET values													
Alfalfa-perennial	534	830	1082	1487	2147	2411	2400	2282	1722	1590	836	848	18170
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	34	51	79	95	40	0	0	0	0	0	0	14	313
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	19	38	34	0	91
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	2	5	5	5	5	4	0	0	0	25
Bermuda w/ rye	7	8	11	9	24	26	26	24	19	8	10	8	182
Citrus-young	25	27	42	66	86	89	89	84	68	53	39	32	699
Citrus-mature	86	95	142	205	269	275	275	260	212	165	122	100	2208
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	118	144	255	375	514	538	536	502	399	290	199	153	4023
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AB, Page 2 of 5			2001	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
State of AZ-DG from YMIDD													
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AB, Page 3 of 5			2001	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	5554	5554	5554	5554	5554	5554	5554	5554	5554	5554	5554	5554	
Alfalfa-perennial	3520.11	3520.11	3520.11	3520.11	3520.11	3520.11	3520.11	3520.11	3520.11	3520.11	3520.11	3520.11	
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	187.87	187.87	187.87	187.87	187.87	187.87	187.87	187.87	187.87	187.87	187.87	187.87	
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	
Lettuce-early	122.83	122.83	122.83	122.83	122.83	122.83	122.83	122.83	122.83	122.83	122.83	122.83	
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	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	7.61	
Bermuda w/ rye	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	
Citrus-young	335.47	335.47	335.47	335.47	335.47	335.47	335.47	335.47	335.47	335.47	335.47	335.47	
Citrus-mature	626.09	626.09	626.09	626.09	626.09	626.09	626.09	626.09	626.09	626.09	626.09	626.09	
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	713.57	713.57	713.57	713.57	713.57	713.57	713.57	713.57	713.57	713.57	713.57	713.57	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AB, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AB, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AC, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	189	230	269	433	572	593	545	509	355	389	283	208	4,575
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	51	60	107	193	340	375	375	353	282	174	77	37	2425
Monthly ET values													
Alfalfa-perennial	65	101	132	181	262	294	293	278	210	194	102	103	2215
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	2	4	8	14	21	23	16	4	0	0	91
Small Grain	21	31	48	58	25	0	0	0	0	0	0	8	192
Field Grain	0	1	12	33	48	33	0	0	0	0	0	0	127
Lettuce-early	0	0	0	0	0	0	0	0	74	151	134	0	360
Lettuce-late	64	51	0	0	0	0	0	0	0	0	0	51	167
Melons-spring	0	2	5	8	10	0	0	0	0	0	0	0	25
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	12	32	35	35	32	25	1	0	0	173
Bermuda w/ rye	3	3	4	3	9	10	10	9	7	3	4	3	67
Citrus-young	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-mature	4	4	6	9	11	12	12	11	9	7	5	4	93
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	43	135	164	164	149	0	0	0	0	655
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucifers	3	0	0	0	0	0	0	0	9	9	12	10	44
Dates	2	2	3	5	7	7	7	6	5	4	3	2	52
Safflower	0	2	8	18	26	25	4	0	0	0	0	0	82
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	28	32	49	59	0	0	0	0	0	16	24	26	233
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AC, Page 2 of 5			2001	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
State of CA													
Monthly ET values													
Marsh	1	2	7	14	20	21	21	20	16	6	2	1	130
Barren	17	20	23	17	23	24	24	22	18	14	14	15	231
Sc-low	5	6	9	21	40	47	47	44	35	20	8	3	284
Sc-high	6	7	14	30	56	63	63	59	47	27	10	3	384
Sc/ms	2	2	4	9	17	19	19	18	14	8	3	1	117
Sc/aw	2	3	5	12	23	26	26	24	19	11	4	1	156
Sc/ms/aw	2	2	5	10	19	22	22	20	16	11	4	1	134
Ms-low	6	7	14	27	47	51	51	48	39	26	11	4	331
Ms-high	4	4	10	21	36	39	39	37	29	19	8	3	250
Ms/aw	2	2	4	9	15	16	16	15	12	8	3	1	105
Aw	3	4	7	15	29	33	33	31	25	15	6	2	203
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	2	2	4	8	14	15	15	14	11	8	4	1	100
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AC, Page 3 of 5			2001	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	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	
* - Includes 44.93 acres of Sesbania or Coffeeweed in Field Grain acreage, and 4.80 acres of strawberries in Melons-spring acreage.													
Alfalfa-perennial	429.14	429.14	429.14	429.14	429.14	429.14	429.14	429.14	429.14	429.14	429.14	429.14	
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	27.70	27.70	27.70	27.70	27.70	27.70	27.70	27.70	27.70	27.70	27.70	27.70	
Small Grain	115.08	115.08	115.08	115.08	115.08	115.08	115.08	115.08	115.08	115.08	115.08	115.08	
Field Grain*	55.40	55.40	55.40	55.40	55.40	55.40	55.40	55.40	55.40	55.40	55.40	55.40	
Lettuce-early	485.70	485.70	485.70	485.70	485.70	485.70	485.70	485.70	485.70	485.70	485.70	485.70	
Lettuce-late	323.56	323.56	323.56	323.56	323.56	323.56	323.56	323.56	323.56	323.56	323.56	323.56	
Melons-sping*	14.66	14.66	14.66	14.66	14.66	14.66	14.66	14.66	14.66	14.66	14.66	14.66	
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	
Bermuda	53.51	53.51	53.51	53.51	53.51	53.51	53.51	53.51	53.51	53.51	53.51	53.51	
Bermuda w/ rye	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	
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	187.88	187.88	187.88	187.88	187.88	187.88	187.88	187.88	187.88	187.88	187.88	187.88	
Legume/Solanum Veg	0	0	0	0	0	0	0	0	0	0	0	0	
Crucifers	44.14	44.14	44.14	44.14	44.14	44.14	44.14	44.14	44.14	44.14	44.14	44.14	
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	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	
Small Vegetables	133.95	133.95	133.95	133.95	133.95	133.95	133.95	133.95	133.95	133.95	133.95	133.95	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AC, Page 4 of 5			2001	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	679	679	679	679	679	679	679	679	679	679	679	679	
Marsh	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	
Barren	225.81	225.81	225.81	225.81	225.81	225.81	225.81	225.81	225.81	225.81	225.81	225.81	
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	74.09	74.09	74.09	74.09	74.09	74.09	74.09	74.09	74.09	74.09	74.09	74.09	
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	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AC, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AD, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	219	285	370	568	854	935	926	874	622	542	341	297	6,834
On-District Open-Water Evap.													
Unit "B" IDD, AZ	3	4	5	10	14	15	15	14	11	8	5	3	107
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	106	165	215	296	427	480	477	454	343	316	166	169	3615
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	2	4	7	13	19	21	15	4	0	0	85
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Grain	0	0	3	10	14	10	0	0	0	0	0	0	38
Lettuce-early	0	0	0	0	0	0	0	0	21	44	39	0	103
Lettuce-late	20	16	0	0	0	0	0	0	0	0	0	16	53
Melons-spring	0	1	2	3	3	0	0	0	0	0	0	0	9
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	10	26	29	29	27	21	1	0	0	141
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	9	10	15	24	32	33	33	31	25	20	14	12	259
Citrus-mature	60	66	99	143	187	192	192	181	147	115	85	70	1535
Citrus-declining	4	4	7	10	13	14	14	13	10	8	6	5	107
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	30	94	114	114	104	0	0	0	0	456
Legume/Solanum Veg	3	4	1	0	0	0	0	0	0	2	3	3	16
Crucifers	2	0	0	0	0	0	0	0	4	4	5	4	19
Dates	6	8	13	20	27	28	28	26	21	15	10	8	211
Safflower	0	0	1	3	4	4	1	0	0	0	0	0	13
Orchards	0	0	1	2	4	4	4	4	3	2	2	1	29
Small Vegetables	2	2	3	4	0	0	0	0	0	1	1	2	14
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
Herbs-(miscellaneous)	4	5	2	0	0	0	0	0	0	3	4	5	23

2001 LCRAS		Sheet AD, Page 2 of 5			2001	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
Unit "B" IDD, AZ													
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AD, Page 3 of 5			2001	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 Agricultural Acres	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882	1882	
* - Includes 22.27 acres of mint in the Herbs-miscellaneous acreage.													
Alfalfa-perennial	700.41	700.41	700.41	700.41	700.41	700.41	700.41	700.41	700.41	700.41	700.41	700.41	
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	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92	25.92	
Small Grain	0	0	0	0	0	0	0	0	0	0	0	0	
Field Grain	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	
Lettuce-early	139.67	139.67	139.67	139.67	139.67	139.67	139.67	139.67	139.67	139.67	139.67	139.67	
Lettuce-late	103.64	103.64	103.64	103.64	103.64	103.64	103.64	103.64	103.64	103.64	103.64	103.64	
Melons-spring	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	
Bermuda	43.84	43.84	43.84	43.84	43.84	43.84	43.84	43.84	43.84	43.84	43.84	43.84	
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	
Citrus-young	124.13	124.13	124.13	124.13	124.13	124.13	124.13	124.13	124.13	124.13	124.13	124.13	
Citrus-mature	435.34	435.34	435.34	435.34	435.34	435.34	435.34	435.34	435.34	435.34	435.34	435.34	
Citrus-declining	43.99	43.99	43.99	43.99	43.99	43.99	43.99	43.99	43.99	43.99	43.99	43.99	
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	
Sudan	130.76	130.76	130.76	130.76	130.76	130.76	130.76	130.76	130.76	130.76	130.76	130.76	
Legume/Solanum Veg	14.54	14.54	14.54	14.54	14.54	14.54	14.54	14.54	14.54	14.54	14.54	14.54	
Crucifers	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57	19.57	
Dates	37.40	37.40	37.40	37.40	37.40	37.40	37.40	37.40	37.40	37.40	37.40	37.40	
Safflower	4.53	4.53	4.53	4.53	4.53	4.53	4.53	4.53	4.53	4.53	4.53	4.53	
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	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	
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	
Herbs-(miscellaneous)*	22.27	22.27	22.27	22.27	22.27	22.27	22.27	22.27	22.27	22.27	22.27	22.27	

2001 LCRAS		Sheet AD, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AD, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AE, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	7	8	11	18	27	30	30	28	19	17	12	9	216
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	0	0	0	1	1	1	1	1	1	1	0	0	6
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	1	1	1	1	0	0	0	4
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	1	3	3	0	7
Lettuce-late	1	1	0	0	0	0	0	0	0	0	0	1	2
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	2	3	4	6	8	9	9	8	7	5	4	3	67
Citrus-mature	4	4	6	9	12	12	12	11	9	7	5	4	96
Citrus-declining	0	0	0	0	1	1	1	1	0	0	0	0	4
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	2	5	6	6	6	0	0	0	0	26
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	1	1	1	1	0	0	0	0	4
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AE, Page 2 of 5			2001	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
University AZ Ag Station, AZ													
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AE, Page 3 of 5			2001	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	85	85	85	85	85	85	85	85	85	85	85	85	
Alfalfa-perennial	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	
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	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
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	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	
Lettuce-late	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	
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	32.19	32.19	32.19	32.19	32.19	32.19	32.19	32.19	32.19	32.19	32.19	32.19	
Citrus-mature	27.29	27.29	27.29	27.29	27.29	27.29	27.29	27.29	27.29	27.29	27.29	27.29	
Citrus-declining	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	
Sudan	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	
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	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AE, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AE, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AF, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	217	290	377	584	768	787	744	697	431	356	217	241	5,708
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	114	135	248	486	889	989	990	932	744	459	191	79	6257
Monthly ET values													
Alfalfa-perennial	89	139	181	249	360	404	402	382	289	266	140	142	3045
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	8	16	33	61	88	95	66	17	0	0	384
Small Grain	67	100	155	187	80	0	0	0	0	0	0	27	616
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	19	40	35	0	94
Lettuce-late	43	34	0	0	0	0	0	0	0	0	0	34	111
Melons-spring	0	2	3	6	7	0	0	0	0	0	0	0	18
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	14	37	40	40	38	29	1	0	0	200
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	52	165	200	200	182	0	0	0	0	799
Legume/Solanum Veg	7	8	3	0	0	0	0	0	0	3	6	7	34
Crucifers	10	0	0	0	0	0	0	0	28	29	36	30	133
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	7	26	60	86	82	13	0	0	0	0	0	274
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AF, Page 2 of 5			2001	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
West Cocopah IR, AZ													
Monthly ET values													
Marsh	0	0	1	2	3	3	3	3	2	1	0	0	19
Barren	19	23	25	19	25	27	27	25	20	16	16	17	260
Sc-low	21	24	41	90	178	206	206	194	155	90	34	13	1253
Sc-high	9	11	23	50	94	105	105	99	79	45	16	6	641
Sc/ms	12	14	30	67	128	143	143	135	108	62	22	7	872
Sc/aw	9	11	22	49	93	104	104	98	78	45	16	5	635
Sc/ms/aw	3	4	9	18	34	37	37	35	28	18	7	2	233
Ms-low	10	12	23	43	76	84	84	79	63	43	18	6	540
Ms-high	6	7	15	32	56	60	60	57	45	30	13	5	386
Ms/aw	3	4	8	16	28	30	30	28	23	15	6	2	194
Aw	5	6	12	24	45	51	51	48	38	24	9	3	316
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	17	20	39	75	129	139	139	131	105	70	33	13	909
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AF, Page 3 of 5			2001	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 Agricultural Acres	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	
Alfalfa-perennial	589.90	589.90	589.90	589.90	589.90	589.90	589.90	589.90	589.90	589.90	589.90	589.90	
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	116.86	116.86	116.86	116.86	116.86	116.86	116.86	116.86	116.86	116.86	116.86	116.86	
Small Grain	369.81	369.81	369.81	369.81	369.81	369.81	369.81	369.81	369.81	369.81	369.81	369.81	
Field Grain	0	0	0	0	0	0	0	0	0	0	0	0	
Lettuce-early	127.25	127.25	127.25	127.25	127.25	127.25	127.25	127.25	127.25	127.25	127.25	127.25	
Lettuce-late	216.14	216.14	216.14	216.14	216.14	216.14	216.14	216.14	216.14	216.14	216.14	216.14	
Melons-spring	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	
Bermuda	61.85	61.85	61.85	61.85	61.85	61.85	61.85	61.85	61.85	61.85	61.85	61.85	
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	229.28	229.28	229.28	229.28	229.28	229.28	229.28	229.28	229.28	229.28	229.28	229.28	
Legume/Solanum Veg	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	
Crucifers	134.76	134.76	134.76	134.76	134.76	134.76	134.76	134.76	134.76	134.76	134.76	134.76	
Dates	0	0	0	0	0	0	0	0	0	0	0	0	
Safflower	95.67	95.67	95.67	95.67	95.67	95.67	95.67	95.67	95.67	95.67	95.67	95.67	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AF, Page 4 of 5			2001	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	1503	1503	1503	1503	1503	1503	1503	1503	1503	1503	1503	1503	
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	254.92	254.92	254.92	254.92	254.92	254.92	254.92	254.92	254.92	254.92	254.92	254.92	
Sc-low	274.24	274.24	274.24	274.24	274.24	274.24	274.24	274.24	274.24	274.24	274.24	274.24	
Sc-high	123.74	123.74	123.74	123.74	123.74	123.74	123.74	123.74	123.74	123.74	123.74	123.74	
Sc/ms	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	
Sc/aw	119.36	119.36	119.36	119.36	119.36	119.36	119.36	119.36	119.36	119.36	119.36	119.36	
Sc/ms/aw	41.85	41.85	41.85	41.85	41.85	41.85	41.85	41.85	41.85	41.85	41.85	41.85	
Ms-low	133.81	133.81	133.81	133.81	133.81	133.81	133.81	133.81	133.81	133.81	133.81	133.81	
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	66.73	66.73	66.73	66.73	66.73	66.73	66.73	66.73	66.73	66.73	66.73	66.73	
Cw	0	0	0	0	0	0	0	0	0	0	0	0	
Low Veg	209.88	209.88	209.88	209.88	209.88	209.88	209.88	209.88	209.88	209.88	209.88	209.88	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AF, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AG, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	1383	1675	2041	3417	4172	3740	3239	3096	2088	2325	1885	1127	30,189
On-District Open-Water Evap.													
Yuma Irrg. Dist., AZ	8	11	15	31	43	46	45	42	34	24	15	10	324
Total Phreatophyte ET													
Yuma Irrg. Dist., AZ	22	27	48	93	170	190	190	179	143	88	37	16	1202
Monthly ET values													
Alfalfa-perennial	105	163	212	291	421	472	470	447	337	311	164	166	3559
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	90	189	387	704	1018	1108	770	194	0	0	4460
Small Grain	529	788	1214	1468	624	0	0	0	0	0	0	213	4836
Field Grain	0	13	175	503	732	507	0	0	0	0	0	0	1929
Lettuce-early	0	0	0	0	0	0	0	0	768	1569	1393	0	3731
Lettuce-late	525	425	0	0	0	0	0	0	0	0	0	425	1375
Melons-spring	0	54	105	172	221	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	20	53	58	58	54	42	2	0	0	289
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	1	1	2	3	3	3	3	3	3	2	2	1	28
Citrus-mature	0	0	1	1	1	1	1	1	1	1	1	0	11
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	413	1303	1583	1584	1441	0	0	0	0	6324
Legume/Solanum Veg	137	158	61	0	0	0	0	0	0	68	115	140	680
Crucifers	50	0	0	0	0	0	0	0	133	137	173	147	640
Dates	0	0	0	0	0	0	0	0	0	0	0	0	0
Safflower	0	29	117	267	385	366	58	0	0	0	0	0	1222
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Vegetables	28	32	49	59	0	0	0	0	0	16	24	26	233
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AG, Page 2 of 5			2001	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
Yuma Irrg. Dist., AZ													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	4	5	5	4	5	6	6	5	4	3	3	3	54
Sc-low	3	3	6	13	25	29	29	27	22	13	5	2	175
Sc-high	6	7	14	31	59	66	66	62	49	28	10	4	402
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	2
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	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	4	5	10	20	37	42	42	39	32	20	8	3	259
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	6	7	13	25	43	46	46	44	35	23	11	4	303
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AG, Page 3 of 5			2001	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	17570	17570	17570	17570	17570	17570	17570	17570	17570	17570	17570	17570	
* - Includes 8.92 acres of sunflowers in sudan acreage.													
Alfalfa-perennial	689.43	689.43	689.43	689.43	689.43	689.43	689.43	689.43	689.43	689.43	689.43	689.43	
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	1356.31	1356.31	1356.31	1356.31	1356.31	1356.31	1356.31	1356.31	1356.31	1356.31	1356.31	1356.31	
Small Grain	2901.34	2901.34	2901.34	2901.34	2901.34	2901.34	2901.34	2901.34	2901.34	2901.34	2901.34	2901.34	
Field Grain	839.51	839.51	839.51	839.51	839.51	839.51	839.51	839.51	839.51	839.51	839.51	839.51	
Lettuce-early	5035.59	5035.59	5035.59	5035.59	5035.59	5035.59	5035.59	5035.59	5035.59	5035.59	5035.59	5035.59	
Lettuce-late	2669.20	2669.20	2669.20	2669.20	2669.20	2669.20	2669.20	2669.20	2669.20	2669.20	2669.20	2669.20	
Melons-spring	319.35	319.35	319.35	319.35	319.35	319.35	319.35	319.35	319.35	319.35	319.35	319.35	
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	
Bermuda	89.42	89.42	89.42	89.42	89.42	89.42	89.42	89.42	89.42	89.42	89.42	89.42	
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	
Citrus-young	13.22	13.22	13.22	13.22	13.22	13.22	13.22	13.22	13.22	13.22	13.22	13.22	
Citrus-mature	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	
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*	1814.07	1814.07	1814.07	1814.07	1814.07	1814.07	1814.07	1814.07	1814.07	1814.07	1814.07	1814.07	
Legume/Solanum Veg	629.58	629.58	629.58	629.58	629.58	629.58	629.58	629.58	629.58	629.58	629.58	629.58	
Crucifers	649.38	649.38	649.38	649.38	649.38	649.38	649.38	649.38	649.38	649.38	649.38	649.38	
Dates	0	0	0	0	0	0	0	0	0	0	0	0	
Safflower	426.88	426.88	426.88	426.88	426.88	426.88	426.88	426.88	426.88	426.88	426.88	426.88	
Orchards	0	0	0	0	0	0	0	0	0	0	0	0	
Small Vegetables	133.87	133.87	133.87	133.87	133.87	133.87	133.87	133.87	133.87	133.87	133.87	133.87	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AG, Page 4 of 5			2001	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	295	295	295	295	295	295	295	295	295	295	295	295	
Marsh	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Barren	52.42	52.42	52.42	52.42	52.42	52.42	52.42	52.42	52.42	52.42	52.42	52.42	
Sc-low	38.25	38.25	38.25	38.25	38.25	38.25	38.25	38.25	38.25	38.25	38.25	38.25	
Sc-high	77.65	77.65	77.65	77.65	77.65	77.65	77.65	77.65	77.65	77.65	77.65	77.65	
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	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	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	54.84	54.84	54.84	54.84	54.84	54.84	54.84	54.84	54.84	54.84	54.84	54.84	
Cw	0	0	0	0	0	0	0	0	0	0	0	0	
Low Veg	70.05	70.05	70.05	70.05	70.05	70.05	70.05	70.05	70.05	70.05	70.05	70.05	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AG, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AH, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	2256	2943	4081	5900	8207	8803	8759	8286	6318	5420	3374	3058	67,406
On-District Open-Water Evap.													
Yuma Mesa IDD, AZ	25	33	46	96	132	139	137	128	103	73	44	29	984
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	1006	1565	2040	2803	4047	4545	4522	4301	3245	2997	1576	1598	34244
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	1	2	3	6	9	10	7	2	0	0	38
Small Grain	17	25	38	46	20	0	0	0	0	0	0	7	152
Field Grain	0	1	8	24	35	24	0	0	0	0	0	0	92
Lettuce-early	0	0	0	0	0	0	0	0	29	59	53	0	141
Lettuce-late	34	27	0	0	0	0	0	0	0	0	0	27	88
Melons-spring	0	5	10	16	21	0	0	0	0	0	0	0	52
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	0	0	0	4	12	13	13	12	9	0	0	0	63
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	175	188	292	463	606	622	622	586	478	371	275	224	4900
Citrus-mature	925	1020	1530	2202	2892	2959	2959	2791	2275	1776	1311	1076	23715
Citrus-declining	53	57	88	134	177	180	181	170	139	108	80	66	1433
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	75	237	288	288	262	0	0	0	0	1149
Legume/Solanum Veg	6	7	3	0	0	0	0	0	0	3	5	6	30
Crucifers	4	0	0	0	0	0	0	0	11	11	14	12	52
Dates	5	6	10	15	20	21	21	20	16	12	8	6	160
Safflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	1	1	2	4	7	7	7	7	5	4	3	1	48
Small Vegetables	8	9	13	16	0	0	0	0	0	4	6	7	64
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AH, Page 2 of 5			2001	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
Yuma Mesa IDD, AZ													
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AH, Page 3 of 5			2001	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 Agricultural Acres	17338	17338	17338	17338	17338	17338	17338	17338	17338	17338	17338	17338
Alfalfa-perennial	6634.36	6634.36	6634.36	6634.36	6634.36	6634.36	6634.36	6634.36	6634.36	6634.36	6634.36	6634.36
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	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68
Small Grain	90.90	90.90	90.90	90.90	90.90	90.90	90.90	90.90	90.90	90.90	90.90	90.90
Field Grain	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06	40.06
Lettuce-early	189.99	189.99	189.99	189.99	189.99	189.99	189.99	189.99	189.99	189.99	189.99	189.99
Lettuce-late	170.94	170.94	170.94	170.94	170.94	170.94	170.94	170.94	170.94	170.94	170.94	170.94
Melons-spring	29.86	29.86	29.86	29.86	29.86	29.86	29.86	29.86	29.86	29.86	29.86	29.86
Melons-fall	0	0	0	0	0	0	0	0	0	0	0	0
Bermuda	19.59	19.59	19.59	19.59	19.59	19.59	19.59	19.59	19.59	19.59	19.59	19.59
Bermuda w/ rye	0	0	0	0	0	0	0	0	0	0	0	0
Citrus-young	2353.17	2353.17	2353.17	2353.17	2353.17	2353.17	2353.17	2353.17	2353.17	2353.17	2353.17	2353.17
Citrus-mature	6724.60	6724.60	6724.60	6724.60	6724.60	6724.60	6724.60	6724.60	6724.60	6724.60	6724.60	6724.60
Citrus-declining	586.72	586.72	586.72	586.72	586.72	586.72	586.72	586.72	586.72	586.72	586.72	586.72
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	329.67	329.67	329.67	329.67	329.67	329.67	329.67	329.67	329.67	329.67	329.67	329.67
Legume/Solanum Veg	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.21
Crucifers	52.27	52.27	52.27	52.27	52.27	52.27	52.27	52.27	52.27	52.27	52.27	52.27
Dates	28.31	28.31	28.31	28.31	28.31	28.31	28.31	28.31	28.31	28.31	28.31	28.31
Safflower	0	0	0	0	0	0	0	0	0	0	0	0
Orchards	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66
Small Vegetables	36.68	36.68	36.68	36.68	36.68	36.68	36.68	36.68	36.68	36.68	36.68	36.68
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AH, Page 4 of 5			2001	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AH, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AI, Page 1 of 5			2001	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)													
(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 Ymarea01.xlw)													
(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	14	30	55	61	61	58	46	29	11	4	381
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AI, Page 2 of 5			2001	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
YPG, AZ													
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	1	0	0	10
Sc/ms	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc/aw	2	2	4	9	16	18	18	17	14	8	3	1	112
Sc/ms/aw	1	1	3	7	13	14	14	14	11	7	3	1	89
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	3	6	10	10	10	10	8	5	2	1	67
Aw	2	2	4	8	14	17	17	16	12	8	3	1	103
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AI, Page 3 of 5			2001	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)													
	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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AI, Page 4 of 5			2001	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)													
	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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AI, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AJ, Page 1 of 5			2001	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)													
(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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	0	0	0	1	1	2	3	3	2	1	0	0	13
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	162	320	661	1214	1351	1352	1273	1016	594	230	91	8400
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	1	1	2	3	3	2	1	0	0	13
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
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AJ, Page 2 of 5			2001	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)													
(All values in acre-feet)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
YPG, CA													
Monthly ET values													
Marsh	3	4	18	35	47	50	50	47	37	14	4	3	312
Barren	16	19	21	16	21	23	23	21	17	14	14	14	219
Sc-low	12	14	23	51	100	116	116	109	87	51	19	7	705
Sc-high	59	70	144	317	597	666	666	628	501	288	105	36	4076
Sc/ms	18	22	46	103	196	219	219	207	165	95	34	11	1334
Sc/aw	5	6	13	29	55	61	61	57	46	26	9	3	372
Sc/ms/aw	2	3	6	13	23	26	26	24	20	13	5	1	161
Ms-low	4	5	9	18	31	34	34	32	25	17	7	3	219
Ms-high	4	5	11	23	40	42	42	40	32	21	9	3	272
Ms/aw	1	1	3	6	11	12	12	11	9	6	2	1	76
Aw	5	6	11	23	44	50	50	47	38	23	9	3	310
Cw	0	0	0	0	0	0	0	0	0	0	0	0	0
Low Veg	6	8	15	28	49	53	53	49	40	26	12	5	343
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AJ, Page 3 of 5			2001	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 Agricultural Acres	4	4	4	4	4	4	4	4	4	4	4	4	
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	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	
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	
Herbs-(miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AJ, Page 4 of 5			2001	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	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	
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	214.81	214.81	214.81	214.81	214.81	214.81	214.81	214.81	214.81	214.81	214.81	214.81	
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	69.87	69.87	69.87	69.87	69.87	69.87	69.87	69.87	69.87	69.87	69.87	69.87	
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	65.46	65.46	65.46	65.46	65.46	65.46	65.46	65.46	65.46	65.46	65.46	65.46	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AJ, Page 5 of 5			2001	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 Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39

2001 LCRAS		Sheet AK, Page 1 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(Sheet to calculate ET for the Yuma County Water Users' Association [Yuma 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 Ymarea01.xlw)													
(All values in acre-feet)	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total Agricultural ET	6227	7294	9473	14694	15449	12362	11958	11359	7966	9450	8480	5354	120,065
On-District Open-Water Evap.													
Yuma County WUA, AZ	43	57	80	168	231	244	241	225	182	128	78	51	1729
Total Phreatophyte ET													
Yuma County WUA, AZ	1	1	1	1	1	1	1	1	1	1	0	0	11
Monthly ET values													
Alfalfa-perennial	87	135	175	241	348	391	389	370	279	258	136	137	2946
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	256	535	1096	1996	2887	3140	2182	551	0	0	12642
Small Grain	3272	4871	7501	9070	3855	0	0	0	0	0	0	1315	29883
Field Grain	0	23	305	876	1274	882	0	0	0	0	0	0	3360
Lettuce-early	0	0	0	0	0	0	0	0	3011	6153	5462	0	14626
Lettuce-late	1770	1432	0	0	0	0	0	0	0	0	0	1432	4634
Melons-spring	0	281	552	901	1155	0	0	0	0	0	0	0	2890
Melons-fall	0	0	0	0	0	0	0	0	49	63	50	35	197
Bermuda	0	0	0	24	63	69	69	65	50	2	0	0	343
Bermuda w/ rye	4	5	7	5	14	16	16	15	11	5	6	5	110
Citrus-young	25	27	42	66	86	88	88	83	68	53	39	32	697
Citrus-mature	96	106	159	229	301	308	308	290	237	185	136	112	2467
Citrus-declining	11	12	18	27	36	37	37	35	28	22	16	13	291
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	0	0	0	2008	6340	7700	7707	7009	0	0	0	0	30764
Legume/Solanum Veg	160	185	72	0	0	0	0	0	0	79	134	163	793
Crucifers	656	0	0	0	0	0	0	0	1755	1812	2283	1933	8438
Dates	22	27	47	69	94	99	98	92	73	53	36	28	739
Safflower	0	39	158	361	520	494	79	0	0	0	0	0	1651
Orchards	4	4	10	21	35	37	37	35	28	20	14	8	251
Small Vegetables	43	50	76	92	0	0	0	0	0	24	37	40	362
Root Vegetables	0	0	0	0	0	0	0	0	13	19	18	12	62
Perennial Vegetables	0	0	0	0	1	1	1	1	1	0	0	0	5
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	1
Herbs-(miscellaneous)	34	39	16	0	0	0	0	0	0	23	36	37	185

2001 LCRAS		Sheet AK, Page 2 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(Sheet to calculate ET for the Yuma County Water Users' Association [Yuma Valley Irrigation District {ID}], AZ)													
(All values in acre-feet)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Yuma County WUA, AZ													
Monthly ET values													
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	0
Barren	0	1	1	0	1	1	1	1	0	0	0	0	6
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	0
Sc-high	0	0	0	0	1	1	1	1	1	0	0	0	5
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
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	0
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	0

2001 LCRAS		Sheet AK, Page 3 of 5			2001	TOTAL DIVERTER ET						
Imperial Dam to Mexico Water Balance Table												
(Sheet to calculate ET for the Yuma County Water Users' Association [Yuma Valley Irrigation District {ID}], AZ)												
	January	February	March	April	May	June	July	August	September	October	November	December
Yuma County WUA, AZ												
Acreages (acres)												
Total Agricultural Acres	75007	75007	75007	75007	75007	75007	75007	75007	75007	75007	75007	75007
* - Includes 181.61 acres of anise in Herbs-miscellaneous, 1.14 acres of guayule in Perennial Vegetables, and 24.23 acres of klein grass & 17.40 acres of timothy grass in sudan acreages.												
Alfalfa-perennial	570.68	570.68	570.68	570.68	570.68	570.68	570.68	570.68	570.68	570.68	570.68	570.68
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	3844.40	3844.40	3844.40	3844.40	3844.40	3844.40	3844.40	3844.40	3844.40	3844.40	3844.40	3844.40
Small Grain	17929.87	17929.87	17929.87	17929.87	17929.87	17929.87	17929.87	17929.87	17929.87	17929.87	17929.87	17929.87
Field Grain	1461.82	1461.82	1461.82	1461.82	1461.82	1461.82	1461.82	1461.82	1461.82	1461.82	1461.82	1461.82
Lettuce-early	19742.21	19742.21	19742.21	19742.21	19742.21	19742.21	19742.21	19742.21	19742.21	19742.21	19742.21	19742.21
Lettuce-late	8998.42	8998.42	8998.42	8998.42	8998.42	8998.42	8998.42	8998.42	8998.42	8998.42	8998.42	8998.42
Melons-spring	1671.99	1671.99	1671.99	1671.99	1671.99	1671.99	1671.99	1671.99	1671.99	1671.99	1671.99	1671.99
Melons-fall	169.93	169.93	169.93	169.93	169.93	169.93	169.93	169.93	169.93	169.93	169.93	169.93
Bermuda	106.34	106.34	106.34	106.34	106.34	106.34	106.34	106.34	106.34	106.34	106.34	106.34
Bermuda w/ rye	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.23
Citrus-young	334.89	334.89	334.89	334.89	334.89	334.89	334.89	334.89	334.89	334.89	334.89	334.89
Citrus-mature	699.45	699.45	699.45	699.45	699.45	699.45	699.45	699.45	699.45	699.45	699.45	699.45
Citrus-declining	119.29	119.29	119.29	119.29	119.29	119.29	119.29	119.29	119.29	119.29	119.29	119.29
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0
Sudan*	8825.38	8825.38	8825.38	8825.38	8825.38	8825.38	8825.38	8825.38	8825.38	8825.38	8825.38	8825.38
Legume/Solanum Veg	734.07	734.07	734.07	734.07	734.07	734.07	734.07	734.07	734.07	734.07	734.07	734.07
Crucifers	8559.64	8559.64	8559.64	8559.64	8559.64	8559.64	8559.64	8559.64	8559.64	8559.64	8559.64	8559.64
Dates	131.06	131.06	131.06	131.06	131.06	131.06	131.06	131.06	131.06	131.06	131.06	131.06
Safflower	576.99	576.99	576.99	576.99	576.99	576.99	576.99	576.99	576.99	576.99	576.99	576.99
Orchards	56.06	56.06	56.06	56.06	56.06	56.06	56.06	56.06	56.06	56.06	56.06	56.06
Small Vegetables	208.36	208.36	208.36	208.36	208.36	208.36	208.36	208.36	208.36	208.36	208.36	208.36
Root Vegetables	58.31	58.31	58.31	58.31	58.31	58.31	58.31	58.31	58.31	58.31	58.31	58.31
Perennial Vegetables*	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
Sugar Beets	0	0	0	0	0	0	0	0	0	0	0	0
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
Herbs-(miscellaneous)*	181.61	181.61	181.61	181.61	181.61	181.61	181.61	181.61	181.61	181.61	181.61	181.61

2001 LCRAS		Sheet AK, Page 4 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table													
(Sheet to calculate ET for the Yuma County Water Users' Association [Yuma Valley Irrigation District {ID}], AZ)													
	January	February	March	April	May	June	July	August	September	October	November	December	
Yuma County WUA, AZ													
Acreages (acres)													
Total Phreatophyte Acres	7	7	7	7	7	7	7	7	7	7	7	7	
Marsh	0	0	0	0	0	0	0	0	0	0	0	0	
Barren	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	5.75	
Sc-low	0	0	0	0	0	0	0	0	0	0	0	0	
Sc-high	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	
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	
Moist Soil Unit	0	0	0	0	0	0	0	0	0	0	0	0	
Seasonal Wetland	0	0	0	0	0	0	0	0	0	0	0	0	

2001 LCRAS		Sheet AK, Page 5 of 5			2001	TOTAL DIVERTER ET							
Imperial Dam to Mexico Water Balance Table				(Sheet to calculate ET for the Yuma County Water Users' Association [Yuma Valley Irrigation District {ID}], AZ)									
Monthly ET values, inches (from Ymarea01.xlw)													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Alfalfa-perennial	1.82	2.83	3.69	5.07	7.32	8.22	8.18	7.78	5.87	5.42	2.85	2.89	61.94
Alfalfa-annual	1.29	3.02	3.23	5.57	9.69	5.73	10.26	0.00	0.00	0.00	0.00	1.09	39.88
Alfalfa-seed	0.82	1.71	2.55	2.48	5.66	6.12	3.59	5.71	5.43	5.42	2.85	2.89	45.23
Cotton	0.00	0.00	0.80	1.67	3.42	6.23	9.01	9.80	6.81	1.72	0.00	0.00	39.46
Small Grain	2.19	3.26	5.02	6.07	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.00
Field Grain	0.00	0.19	2.50	7.19	10.46	7.24	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Lettuce-early	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	3.74	3.32	0.00	8.89
Lettuce-late	2.36	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.18
Melons-spring	0.00	2.02	3.96	6.47	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.74
Melons-fall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	4.47	3.50	2.46	13.89
Bermuda	0.00	0.00	0.00	2.70	7.15	7.83	7.84	7.28	5.68	0.25	0.00	0.00	38.73
Bermuda w/ rye	2.18	2.43	3.36	2.70	7.15	7.83	7.84	7.28	5.68	2.31	3.07	2.42	54.25
Citrus-young	0.89	0.96	1.49	2.36	3.09	3.17	3.17	2.99	2.44	1.89	1.40	1.14	24.99
Citrus-mature	1.65	1.82	2.73	3.93	5.16	5.28	5.28	4.98	4.06	3.17	2.34	1.92	42.32
Citrus-declining	1.08	1.17	1.80	2.75	3.61	3.69	3.70	3.48	2.85	2.21	1.63	1.34	29.31
Tomatoes	0.00	1.65	3.84	7.50	9.85	4.04	0.00	0.00	0.00	0.00	0.00	0.00	26.88
Sudan	0.00	0.00	0.00	2.73	8.62	10.47	10.48	9.53	0.00	0.00	0.00	0.00	41.83
Legume/Solanum Veg	2.62	3.02	1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.19	2.67	12.96
Crucifers	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.54	3.20	2.71	11.83
Dates	1.99	2.43	4.29	6.31	8.64	9.05	9.01	8.44	6.71	4.88	3.34	2.57	67.66
Safflower	0.00	0.82	3.29	7.50	10.81	10.28	1.64	0.00	0.00	0.00	0.00	0.00	34.34
Orchards	0.80	0.90	2.14	4.51	7.40	7.87	7.88	7.42	5.93	4.33	2.90	1.67	53.75
Small Vegetables	2.48	2.88	4.39	5.30	0.00	0.00	0.00	0.00	0.00	1.40	2.12	2.30	20.87
Root Vegetables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	3.84	3.68	2.56	12.67
Perennial Vegetables	0.87	0.98	1.75	4.62	8.09	8.54	8.55	7.73	5.69	3.29	1.63	1.09	52.83
Sugar Beets	2.65	3.09	4.76	6.56	6.46	0.21	0.00	0.00	0.82	1.85	2.24	2.63	31.27
Grapes	0.00	-0.14	1.08	4.15	7.43	7.86	7.48	5.52	1.87	0.00	0.00	0.00	35.25
Herbs-(miscellaneous)	2.23	2.60	1.04	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2.39	2.44	12.20
Marsh	0.71	0.84	3.91	7.62	10.46	11.01	11.02	10.38	8.23	3.04	0.88	0.69	68.79
Barren	0.90	1.07	1.20	0.91	1.20	1.26	1.26	1.19	0.95	0.76	0.76	0.79	12.25
Sc-low	0.90	1.07	1.81	3.96	7.80	9.02	9.03	8.50	6.78	3.93	1.47	0.55	54.82
Sc-high	0.90	1.07	2.19	4.83	9.11	10.16	10.17	9.58	7.64	4.40	1.60	0.55	62.20
Sc/ms	0.90	1.07	2.25	5.07	9.68	10.81	10.82	10.19	8.13	4.67	1.67	0.55	65.81
Sc/aw	0.90	1.07	2.22	4.94	9.37	10.45	10.47	9.86	7.86	4.52	1.63	0.55	63.84
Sc/ms/aw	0.90	1.07	2.44	5.19	9.65	10.73	10.74	10.12	8.09	5.26	2.01	0.60	66.80
Ms-low	0.90	1.07	2.08	3.90	6.80	7.49	7.50	7.06	5.65	3.85	1.59	0.57	48.46
Ms-high	0.90	1.07	2.39	5.03	8.83	9.42	9.43	8.88	7.10	4.70	2.05	0.71	60.51
Ms/aw	0.90	1.07	2.34	4.84	8.44	9.00	9.01	8.49	6.78	4.47	1.87	0.64	57.85
Aw	0.90	1.07	2.08	4.30	8.01	9.16	9.17	8.63	6.90	4.29	1.69	0.58	56.78
Cw	0.90	1.07	2.34	4.84	8.68	9.42	9.43	8.88	7.10	4.67	1.94	0.64	59.91
Low Veg	0.96	1.14	2.25	4.26	7.36	7.95	7.95	7.49	5.99	4.01	1.86	0.74	51.96
Moist Soil Unit	2.73	3.23	4.73	6.32	5.1	2.93	9.98	9.86	4.72	5.12	3.52	2.74	60.98
Seasonal Wetland	2.73	3.23	3.76	3.67	3.89	2.38	4.71	4.8	3.84	5.12	3.52	2.74	44.39