

TABLE 1

EL DORADO COUNTY WATER MANAGEMENT PLAN

EXISTING AGRICULTURAL LAND USE - 2000

(acres)

Agricultural Land Use	EID ¹	GDPUD ¹	Outside Purveyor's Boundaries ²	County ³
Vineyard, Christmas Trees, Olive/Citrus, Berries, Etc.	1,665	159 ⁴	1,022	1,565
Pasture, Deciduous, Other	3,626	2,761	238	3,286
TOTAL	5,291	2,920	1,260	4,851

¹ Acreage represents irrigated agriculture.

² Acreage is from Restricted Materials Permits.

³ El Dorado County 2000 Crop Report does not include acreage for Christmas Trees, Truck Gardens, Berries, Nectarines, Oranges, Chestnuts, Avocados, Pumpkins, Tomatoes, and Persimmons.

⁴ Acreage derived from a combination of Restricted Materials Permits within GDPUD and an assumption that total vineyards would have a similar proportion of Restricted Materials Permits as EID.

Sources: El Dorado Irrigation District (2000 USBR Water Year Report); Georgetown Divide Public Utility District; and County of El Dorado Department of Agriculture, Weights, & Measures (El Dorado County 2000 Crop Report and 2002 Restricted Materials Permits).

TABLE 2

EL DORADO COUNTY WATER MANAGEMENT PLAN

AGRICULTURAL LAND USES - 2000, 2010, 2025, 2050

Agricultural Land Use	Location	2000	2010 ³		2025 ³		2050 ³	
		Area, acres	Approx. Growth Rate per year, %	Area, acres	Approx. Growth Rate per year, %	Area, acres	Approx. Growth Rate per year, %	Area, acres
Vineyard, Christmas Trees, Olive/Citrus, Berries, Etc.	EID	1,665 ¹	10	4,300	4	7,650	0	7,650
	GDPUD	159 ¹	15	650	10	2,700	1	3,780
	Outside Purveyor's Boundaries	1,022 ²	3	1,400	3	2,200	5	7,450
Pasture, Deciduous, Other	El Dorado County	6,625	0	6,700	0	6,700	0	6,700
TOTAL		9,471	3	13,050	3	19,250	1	25,580

¹ Acreage represents irrigated agriculture.

² Acreage is from Restricted Materials Permits.

³ The increase in irrigated agriculture is assumed to occur entirely within the Agricultural Districts.

*Boundaries of the Agricultural Districts obtained from El Dorado County Planning Department (2001 Project Description), April 2002.

Sources: El Dorado Irrigation District (2000 USBR Water Year Report); Georgetown Divide Public Utility District; and County of El Dorado Department of Agriculture, Weights, & Measures (2002 Restricted Materials Permits).

TABLE 3

EL DORADO COUNTY WATER MANAGEMENT PLAN

**EL DORADO COUNTY
AGRICULTURAL LAND USE - 2000, 2010, 2025, 2050**

Location	2000	2010	2025	2050
	Area, acres	Area, acres	Area, acres	Area, acres
EID ¹	5,291	7,950	11,300	11,300
GDPUD ¹	2,920	3,450	5,500	6,580
Outside Purveyor's Boundaries	1,260 ²	1,650	2,450	7,700
TOTAL	9,471	13,050 ³	19,250 ³	25,580 ⁴

¹ Acreage represents irrigated agriculture.

² Acreage is from Restricted Materials Permits.

³ Assumed 3% per year growth for periods 2000 - 2010 and 2010 to 2025. The increase in irrigated agriculture is assumed to occur entirely within the Agricultural Districts.

⁴ Assumed 1% per year growth for period 2025 - 2050.

*Boundaries of the Agricultural Districts obtained from El Dorado County Planning Department (2001 Project Description), April 2002.

Sources: El Dorado Irrigation District (2000 USBR Water Year Report); Georgetown Divide Public Utility District; and County of El Dorado Department of Agriculture, Weights, & Measures (El Dorado County 2000 Crop Report and 2002 Restricted Materials Permits).

TABLE 4

EL DORADO COUNTY WATER MANAGEMENT PLAN

**EL DORADO IRRIGATION DISTRICT
IRRIGABLE AGRICULTURAL LAND USE AND WATER USE - 2000, 2010, 2025**

Agricultural Land Use	2000		2010		2025		2050	
	Area, acres	Water Use, acre feet	Area, acres	Water Use, acre feet	Area, acres	Water Use, acre feet	Area, acres	Water Use, acre feet
Vineyard, Christmas Trees, Olive/Citrus, Berries, Etc.	1,665	2,165	4,300 ¹	5,590	7,650 ²	9,945	7,650 ²	9,945
Pasture, Deciduous, Other ³	3,626	3,785	3,650	3,800	3,650	3,800	3,650	3,800
TOTAL	5,291	5,950	7,950	9,390	11,300	13,745	11,300	13,745

¹ Assumed approximately 10% per year growth for period 2000 - 2010. The increase in irrigated agriculture is assumed to occur entirely within the Agricultural Districts.

² Assumed all potential irrigable land in Agricultural Districts is developed.

³ Assumed no net increase in this land use category.

*Boundaries of the Agricultural Districts obtained from El Dorado County Planning Department (2001 Project Description), April 2002. Assumed vineyard unit water use value of 1.3 to be applied to Vineyard, Christmas Trees, Olive/Citrus, Berries, Etc. Agriculture is assumed to expand equally into Agricultural Districts 4, 5, 6, 7, and 8.

Sources: El Dorado Irrigation District (2000 USBR Water Year Report and 2000 Update to the Water Supply & Demand Report); Georgetown Divide Public Utility District; and County of El Dorado Department of Agriculture, Weights, & Measures (El Dorado County 2000 Crop Report and 2002 Restricted Materials Permits).

TABLE 5

EL DORADO COUNTY WATER MANAGEMENT PLAN

**GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT
IRRIGABLE AGRICULTURAL LAND USE AND WATER USE - 2000, 2010, 2025, 2050**

Agricultural Land Use	2000		2010		2025		2050	
	Area, acres	Water Use, acre feet	Area, acres	Water Use, acre feet	Area, acres	Water Use, acre feet	Area, acres	Water Use, acre feet
Vineyard, Christmas Trees, Olive/Citrus, Berries, Etc.	159 ¹	207	650 ²	845	2,700 ³	3,510	3,780 ⁴	4,914
Pasture, Deciduous, Other ⁵	2,761	4,144	2,800	4,200	2,800	4,200	2,800	4,200
TOTAL	2,920	4,351	3,450	5,045	5,500	7,710	6,580	9,114

¹ Acreage derived from a combination of Restricted Materials Permits within GDPUD and an assumption that total vineyards would have a similar proportion of Restricted Materials Restricted Materials Permits as EID.

² Assumed approximately 15% per year growth for period 2000 - 2010. The increase in irrigated agriculture is assumed to occur entirely within the Agricultural Districts.

³ Assumed approximately 10% per year growth for period 2010 - 2025. The increase in irrigated agriculture is assumed to occur entirely within the Agricultural Districts.

⁴ Assumed all potential irrigable land in Agricultural Districts is developed.

⁵ Assumed no net increase in this land use category.

*Boundaries of the Agricultural Districts obtained from El Dorado County Planning Department (2001 Project Description), April 2002. Assumed vineyard unit water use value of 1.3 to be applied to Vineyard, Christmas Trees, Olive/Citrus, Berries, Etc. Agriculture is assumed to expand equally into Agricultural Districts 1, 2, and 3.

TABLE 5

EL DORADO COUNTY WATER MANAGEMENT PLAN

GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT

IRRIGABLE AGRICULTURAL LAND USE AND WATER USE - 2000, 2010, 2025, 2050

2000 Crop Report and 2002 Restricted Materials Permits)

TABLE 6

EL DORADO COUNTY WATER MANAGEMENT PLAN

OUTSIDE PURVEYOR'S BOUNDARIES
IRRIGABLE AGRICULTURAL LAND USE AND WATER USE - 2000, 2010, 2025, 2050

Agricultural Land Use	2000 ¹		2010		2025		2050	
	Area, acres	Water Use, acre feet	Area, acres	Water Use, acre feet	Area, acres	Water Use, acre feet	Area, acres	Water Use, acre feet
Vineyard, Christmas Trees, Olive/Citrus, Berries, Etc.	1,022	-	1,400 ²	1,820	2,200 ²	2,860	7,450 ³	9,685
Pasture, Deciduous, Other ⁴	238	-	250	-	250	-	250	-
TOTAL	1,260	-	1,650	1,820	2,450	2,860	7,700	9,685

¹ Acreage is from Restricted Materials Permits.

² Assumed approximately 3% per year growth for periods 2000 - 2010 and 2010 - 2025. The increase in irrigated agriculture is assumed to occur entirely within the Agricultural Districts.

³ Assumed approximately 5% per year growth for period 2025 - 2050. The increase in irrigated agriculture is assumed to occur entirely within the Agricultural Districts.

⁴ Assumed no net increase in this land use category.

*Boundaries of the Agricultural Districts obtained from El Dorado County Planning Department (2001 Project Description), April 2002. Assumed vineyard unit water use value of 1.3 to be applied to Vineyard, Christmas Trees, Olive/Citrus, Berries, Etc. Agriculture is assumed to expand equally into Agricultural Districts 1, 9, 10, 11, 12, 13, and 14.

Sources: El Dorado Irrigation District (2000 USBR Water Year Report and 2000 Update to the Water Supply & Demand Report), Georgetown Divide Public Utility District, and County of El Dorado Department of Agriculture, Weights, & Measures (El Dorado County 2000 Crop Report and 2002 Restricted Materials Permits)

TABLE 7

EL DORADO COUNTY WATER MANAGEMENT PLAN

**EL DORADO COUNTY
POTENTIAL IRRIGABLE AGRICULTURAL WATER DEMANDS**

EL DORADO IRRIGATION DISTRICT (EID)			
Item	Agricultural District	Irrigated Area, acres	Estimated AW, acre feet
Irrigated Land - 2000	-	5,291	5,950
Important Farmland With Slopes at 15% or Less	4	827	1,075
	5	697	906
	6	560	728
	7	90	117
	8	70	91
Important Farmland With Slopes at 15% to 50%	4	813	1,057
	5	1,653	2,149
	6	136	177
	7	789	1,026
	8	371	482
Subtotal		11,297	13,757
GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT (GDPUD)			
Item	Agricultural District	Irrigated Area, acres	Estimated AW, acre feet
Irrigated Land - 2000	-	2,920	4,351
Duarte Vineyards	-	275	358
Important Farmland With Slopes at 15% or Less	1	39	50
	2	284	369
	3	570	741
Important Farmland With Slopes at 15% to 50%	1	40	51
	2	1,187	1,543
	3	1,265	1,645
Subtotal		6,579	9,108
OTHER AREAS			
Item	Agricultural District	Irrigated Area, acres	Estimated AW, acre feet
Important Farmland With Slopes at 15% or Less (Including existing crops)	1	110	143
	9	280	364
	10	635	826
	11	1,778	2,312
	12	749	973
	13	481	625
	14	1,719	2,235
Important Farmland With Slopes at 15% to 50% (Including existing crops)	1	76	98
	9	214	278
	10	276	359
	11	1,378	1,791
	12	635	825
	13	300	390
	14	1,932	2,512
Subtotal		10,562	13,731
TOTAL		28,438	36,596

*Boundaries of the Agricultural Districts obtained from El Dorado County Planning Department (2001 Project Description), April 2002. Assumed vineyard unit water use values for additional irrigated land and important farmlands. Important farmlands are comprised of prime farmland, unique farmland, farmland of local importance, and farmland of statewide importance. Irrigated acreage for these areas are represented as 90% of the gross areas to account for roads and structures. The gross areas do not include 2002 irrigated parcels or parcels with Restricted Materials Permits.

AW = Applied Water (Unit Water Use Value of 1.3)

Sources: Department of Water Resources (Agricultural Unit Water Use Values - Table 10); State of California Department of Conservation (Farmland Mapping and Monitoring Program - 2000); U.S. Department of Agriculture Natural Resources Conservation District (SSURGO - 2001); El Dorado Irrigation District; Georgetown Divide Public Utility District; and El Dorado County Planning Department