

Real - Edwards
Conservation and
Reclamation District

Management Plan
2004-2014

Adopted August 4th, 2004

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Real Edwards Conservation and Reclamation District

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**Real and Edwards County
Conservation and Reclamation Water District**

Management Plan

Mission Statement

The Real Edwards Conservation and Reclamation District was created by House Bill 447 in the 56th Texas Legislature in 1959. The District was created to provide for the conservation, preservation, protection, recharge and prevention of waste of the underground water reservoirs located under the District consistent with Article XVI, Section 59, of the Texas Constitution and Chapter 36 of the Texas Water Code. The District strives to bring about conservation, preservation and the efficient, beneficial and wise use of water for the benefit of the citizens and the economy of the District through monitoring and protecting the quantity and quality of the groundwater. The District also strives to maintain groundwater ownership and rights of the landowners as provided in the Texas Water Code 36. 002.

Time Period for This Plan

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This plan becomes effective upon certification by the Texas Water Development Board and replaces the existing management plan adopted by the Board of Directors. This new plan remains in effect until a revised plan is certified or September 1, 2014, whichever is earlier.

General Description

The District is governed by nine Directors who are elected by local voters and serve a two-year staggered term of office. District rules have been in effect since 1959, which will effect the management plan. The District encompasses the total of Real and Edwards County, which is located in the southwestern part of Texas with Leakey and Rocksprings, Texas as the county seats. Real and Edwards Counties economy is primarily based on agriculture and the tourism and hunting industry.

Geographical Information

The District lies within the Edwards Plateau and consists of approximately 1,810,169 acres in Real and Edwards Counties. The land is generally rolling to mountainous with elevations from 1500 to 4000 ft. The District is included in three different river basins, the Nueces, Colorado, and the Rio Grande. The western half of Edwards County slopes southwestward into the Devils River. The eastern part of Edwards County drains into the Nueces River, the western part drains into the Devil's River, and the northern part drains into the Llano River. Real County drains into the Nueces and Frio River. The land also includes shallow depressions that catch rainfall and runoff to be either evaporated or infiltrated into the soil.

Groundwater Resources

The Edwards-Trinity (Plateau) aquifer is the fresh water source for Edwards and Real Counties. Limestone is the predominant rock underlying the Edwards Plateau soils. The permeability of the limestone is not necessarily due to intergranular pore space as in sandstone, but more to joints, crevices, and solution openings that have been enlarged by solvent action of water charged with carbon dioxide. The Edwards Formation is a granular to crystalline, dolomitic limestone called brown lime or brown sand on local well driller's logs. Caverns or caves and smaller solution channels are common in the Edwards. Alluvial deposits of Pleistocene and Recent age occur along nearly all the stream courses on the Edwards Plateau. These deposits consist of sand, gravel, silt and clay derived from the erosion of the underlying rocks, and occur primarily as terrace and flood plain alluvium.

Groundwater Resource Estimates

All estimates of groundwater availability, usage, supplies, recharge, storage and future demands are from data supplied by the Texas Water Development Board unless otherwise noted.

Data sources include aquifer parameters derived from pumping tests performed by TWDB, and TWDB personnel. These estimates do not constitute endorsement by the District.

Historical Use

Data estimates from the Texas Water Development Board shows a 24 year average usage in Edwards County of approximately 935.6 acre feet per/year and the average for Real County for the same time period of 633.8 acre feet per/year for a total of 1,569.4 acre feet per/year average. ^{Table 1} Again, these are only estimates as there is no hard data to support this assumption.

Projected Water Demands

Basins include: Nuéces, Colorado and Rio Grande

It should be noted that there are areas where agricultural activity is sustained on wells producing as little as 1 gallon per minute which limits proper grazing distribution and other agricultural enterprises. Although most of the District has available groundwater, the quantity of groundwater dictates surface activities or the limitations thereof. The District consists of 1,810,169 acres with 3,036 acre-feet of water, to be used in the year 2000 ^{Table 2}. These figures do not include the water consumption of invasive vegetation. Real and Edwards Counties are made up of 65% juniper or cedar.² A juniper has a transpiration rate of about 33 gal/day³ or 12,045 gal/yr. or 0.04 ac-ft/year. At a density equivalent to only one mature juniper per acre, an estimated loss of 38,220 ac-ft/year occurs within the District. Nor do these figures take into consideration the increased drilling activity within Edwards and Real Counties (Since January 2002 over 200 new wells have been drilled within the District with the demand for new wells appears to be increasing⁴) or the ever increasing numbers of subdivisions within the District (Approximately 76 in Edwards County and 80 in Real County).

Projected Water Availability

1
Data supplied from the Texas Water Development Board, indicates that a fairly consistent supply of water will be available in the District through 2050 ^{Table 3}, with 2,287,500 acre feet available from 2000 thru 2040 and 2,287,421 acre feet available from 2040 thru 2050. Again, these are only estimates and may not take into consideration the potential of increased pumpage in the aquifer from areas outside the District.

Projected Water Supply

4
Estimates from the Texas Water Development Board indicates that a fairly consistent supply of 4,648 acre feet of water annually will be available to the District thru 2050 ^{Table 4}.

Projected Recharge Rate

3
Rainfall is the only source of recharge for the District. Many parameters affect the amount of water that actually reaches the aquifer. Vegetative growth, soil construction and rate of rainfall are some of the parameters affecting the amount of water reaching the aquifer. In the Edwards Plateau region, the annual rate of evaporation is three times greater than the annual rate of precipitation, thus creating perpetual low soil moisture content that retards percolation except under the most ideal conditions. Percolation usually occurs during relative short periods after rainfall. Soil permeability is an expression of the ability of water to pass through pore spaces of the soil and varies throughout the Edwards Plateau from less than 0.06 to 0.63 inches per hour. Rain intensities greater than these will produce surface runoff.⁵

² Natural Resource Conservation Service, Edwards County, 1999

³ Brush Management for Water Conservation Charles R. Hart, Aquifers of the Edwards Plateau Conference February 9, 2004, San Angelo, Texas

⁴ Current District data base records April 24, 2004

⁵ Occurrence, Availability, and Chemical Quality of Ground Water in the Edwards Plateau Region of Texas, Report 235, Texas Department of Water Resources, Lloyd A. Walker, 1979

The last available data based upon base flow indicates that the recharge rate for Real County is two inches per year (2" per/yr.)⁶. Since the terrain of Edwards County is similar to that of Real County it can be assumed that the recharge rate will be approximately the same 2" per/yr. Based upon the total number of acres within the District (1,810,169 acres) and using the formula (Total Acres x Recharge Rate / 12 inches) the total recharge for the District is approximately 301,695 acre feet per/year.

Additional Recharge

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The estimate of the annual amount of additional natural or artificial recharge of groundwater within the District, that could result from implementation of feasible methods for increasing the natural or artificial recharge is difficult to determine due to the direct correlation to rainfall.

There are several feasible methods of additional recharge:

1. Flood Prevention Sites- Along the headwaters of the Frio and Nueces River there are numerous privately owned dams that catch and retain water. On the Nueces, there is a public dam along the Uvalde and Real County line. There are a few privately owned dams on the Llano River as well.
2. Weather Modification- Weather Modification is another tool considered effective for increased aquifer recharge. Real and Edwards County is part of the Edwards Aquifer Precipitation Enhancement Program, as of April 1999. The average rainfall for the District is 24 inches per year. A modest 10% increase of one inch of rainfall during the growing season results in a reduction of pumpage for all users, potential increase in runoff, increases productivity of crops and rangeland, provides additional moisture infiltration below root depth available for recharge and increases spring flow.

⁶Long 1958, baseflow

3. Range Management Through Brush Control- Brush control can be accomplished by mechanical control, prescribed burning, combination of mechanical and burn, or chemical application. Brush control may be considered more as a conservation method than an additional recharge method. Effective brush control could play a major role in conserving ground water.

Management of Groundwater Supplies

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The District will manage the supply of groundwater within the District in order to conserve the resource while seeking to maintain the economic viability of all resource user groups, public and private. In consideration of the economic and cultural activities occurring within the District, the District will identify and engage in such activities and practices, that if implemented would result a reduction of groundwater use. The District will use the Texas Water Development Board's observation network to monitor changing storage conditions of groundwater supplies within the District. On an Annual basis, the District will make an assessment of water supply and groundwater storage conditions and will report those conditions to the Board and to the public. The District will undertake, as necessary and co-operate with investigations of the groundwater resources within the District and will make the results of investigations available to the public upon adoption by the Board.

The District has adopted rules to regulate groundwater withdrawals by means of spacing and production limits. The District may deny a well construction permit or limit groundwater withdrawals in accordance with the guidelines stated in the rules of the District. In making a determination to deny a permit or limit groundwater withdrawals, the District will consider the public benefit against individual hardship after considering all appropriate testimony.

The relevant factors to be considered in making a determination to deny a permit or limit groundwater withdrawals will include:

- 1) The purpose of the rules of the District
- 2) The equitable distribution of the resource
- 3) The economic hardship resulting from grant or denial of a permit or the terms prescribed by the permit

In pursuit of the District's mission of protecting the resource, the District may require reduction of groundwater withdrawals to amounts, which will not cause harm to the aquifer. To achieve this purpose, the District may, at the Board's discretion amend or revoke any permits after notice and hearing. The determination to seek the amendment or revocation of a permit by the District will be based on aquifer conditions observed by the District. The District will enforce the terms and conditions of permits and the rules of the District by enjoining the permit holder in a court of competent jurisdiction as provided for in TWC '36.102.

A contingency plan to cope with the effects of water supply deficits due to climatic or other conditions will be developed by the District and will be adopted by the Board after notice and hearing. In developing the contingency plan, the District will consider the economic effect of conservation measures upon all water resource user groups, the local implications of the degree and effect of changes in water storage conditions, the unique hydrogeologic conditions of the aquifers within the District and the appropriate conditions under which to implement the contingency plan.

Actions, Procedures, Performance and Avoidance for Plan Implementation

The District will implement the provisions of this plan and will utilize the provisions of this plan as a guidepost for determining the direction or priority for all District activities. All operations of the District, all agreements entered into by the District and any additional planning

efforts in which the District may participate will be consistent with the provisions of this plan

The District shall treat all citizens with equality. Citizens may apply to the District for discretion in enforcement of the rules on grounds of adverse economic effect or unique local conditions. In granting of discretion to any rule, the Board shall consider the potential for adverse effect on adjacent landowners. The exercise of said discretion by the Board, shall not be construed as limiting the power of the Board.

The District will seek the cooperation in the implementation of this plan and the management of groundwater supplies within the District. All activities of the District will be undertaken in co-operation and coordinated with the appropriate state, regional or local water management entity.

15, 19, 31

Methodology the District will use to track progress on an annual basis in achieving all

Management goals.

35, 39

Prior to the first quarterly Board meeting of the fiscal year, the District manager will prepare an annual report on District performance in achieving the management goals for the preceding year. This report will be presented to the Board of Directors during the first quarterly Board of Directors meeting each fiscal year, beginning January 2001. The report will include the number of instances in which each of the activities specified in the Districts management objectives was engaged in during the fiscal year. Each activity will be referenced to the estimated expenditure of staff time and budget in accomplishment of the activity. The notations of activity frequency, staff time and budget will be referenced to the appropriate performance standard for each management objective describing the activity, so that the effectiveness and efficiency of the Districts operations may be evaluated. The Board will maintain the report on file, for public inspection at the Districts offices upon adoption. This methodology will apply to all management goals contained within this plan.

MANAGEMENT GOALS, OBJECTIVES and
PERFORMANCE STANDARDS

Goal 1.0 - To Control and Prevent the Waste of Groundwater

Management Objective:

Each year the District provides education materials to the newspapers and to the general public on at least four occasions concerning the efficient use of groundwater within the District.

Performance Standards

- The District will furnish at least four newspaper articles and/or public service announcements on an annual basis. 18, 20, 21
- The District will investigate all reports of waste of groundwater within 48 hours.

Goal 2.0— Addressing natural resource issues that impact the use and availability of groundwater and are impacted by the use of groundwater.

Management Objective 2.1

Each year, the District will provide informative speakers to schools and/or civic groups to raise public awareness of practices which insure the efficient use of groundwater and or issues relating to the availability of groundwater within the District.. 30, 32, 33

Performance Standard 2.2.1

- The District will make at least 2 public speaking appearances per year to promote the efficient use of groundwater per year and or issues relating to groundwater availability.

Performance Standard 2.2.2

- The District will include information relating to issues that impact the availability of groundwater in at least one news article per year.

Goal 3.0 - Providing for the efficient use of groundwater within the District

Management Objective 3.1

14, 16, 17

Each year, the District will provide water-measuring devices to the public in response to all requests in an effort to increase the efficiency of irrigating lawns.

Performance Standard 3.1.1

- The District will make water-measuring devices available to the public through civic organizations, at least 1 time per year. These devices will be made continuously available, within budgetary constraints, to the public upon request at the District office each year.

Management Objective 3.2

Each year, the District will provide informative speakers to schools and/or civic groups to raise public awareness of practices which insure the efficient use of groundwater.

Performance Standard 3.2.1

34, 36, 37

- The District will make at least 2 public speaking appearances to promote the efficient use of groundwater per year.

Goal 4.0 - Implement Strategies that will address Drought Conditions

Management Objective

On a quarterly basis, review data including Palmer Drought Index to see if a drought condition exists within the District and if necessary report to Board on need to implement Drought Contingency Plan.

Performance Standard 4.1

- District staff will review data on quarterly basis and report to Board if Drought Conditions warrant

Performance Standard 4.2

- District staff will implement District Drought Contingency Plan as required by Board

38, 40, 41

Goal 5.0- Promote the Conservation of Groundwater within the District.

Management Objective:

Each year the District provides education materials to the newspapers and to the general public on at least four occasions regarding the efficient use of groundwater.

Performance Standard:

- The District will furnish at least four newspaper articles and/or public service announcements on an annual basis.

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It should be noted that the performance standards of many of these objects overlap and that in complying with one of the objectives another may be complied with. For example, news articles written and/or public speaking engagements given may include information on conservation, pollution and/or waste.

SB-1 MANAGEMENT GOALS DETERMINED NOT-

APPLICABLE

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Goal 5.0- The control and prevention of subsidence.

Goal 6.0— Addressing conjunctive surface water management issues.

Real Edwards Conservation &
Reclamation District
Table 1
Historical Usage Groundwater
Edwards County

Year	Pop.	Municipal	Manufac.	Power	Irrigation	mining	Live Stock	Total
1977	2054	335	2	0	100	0	912	1349
1980	2033	335	2	0	149	11	813	1310
1984	2124	389	2	0	0	11	409	811
1985	2113	336	2	0	0	11	412	761
1986	2000	306	2	0	0	5	356	669
1987	1999	307	0	0	0	0	389	696
1988	2000	324	0	0	0	0	443	767
1989	2242	405	0	0	0	0	440	845
1990	2266	411	0	0	0	0	443	854
1991	2371	365	0	0	0	6	480	851
1992	2537	379	0	0	0	6	492	877
1993	2541	405	0	0	143	6	476	1030
1994	2831	433	0	0	133	6	482	1054
1995	2742	395	0	0	133	6	477	1011
1996	2878	463	0	0	143	6	341	953
1997	2937	401	0	0	143	6	339	889
1998	3111	416	0	0	143	6	378	943
1999	2977	406	0	0	143	6	454	1009
2000	2182	425	0	0	160	6	450	1041
2001	2122	439	1	0	130	6	416	992
Average	2402.00	363.75	0.55	0.00	76.00	5.20	470.10	

Real County

1977	2322	385	565	0	0	0	221	1171
1980	2469	415	0	0	0	0	214	632
1984	2747	331	0	0	0	0	182	513
1985	2731	287	0	0	0	0	169	456
1986	2700	283	0	0	0	0	181	464
1987	2800	264	0	0	0	0	180	444
1988	2600	306	0	0	0	0	189	495
1989	2416	284	0	0	475	0	188	947
1990	2412	235	0	0	349	0	186	770
1991	2453	228	0	0	349	6	195	778
1992	2476	264	0	0	69	6	139	478
1993	2487	309	0	0	245	6	112	672
1994	2549	281	0	0	233	6	145	665
1995	2630	277	0	0	220	6	144	647
1996	2740	321	0	0	245	6	102	674
1997	2671	272	0	0	245	6	115	638
1998	2595	286	0	0	245	6	114	651
1999	2617	309	0	0	245	6	125	685
2000	3047	311	0	0	23	6	140	480
2001	3092	258	0	0	27	6	125	418
Average	2637.80	295.45	28.25	0.00	148.50	3.30	158.30	

Real Edwards Conservation &
Reclamation District
Table 2
Projected Water Demands

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Real-Edwards Conservation and Reclamation District
Edwards and Real Counties

Edwards

WPG	WUG	River Basin	Category	2000	2010	2020	2030	2040	2050
J	Rocksprings	Colorado	Municipal	264	279	285	295	302	311
J	Rocksprings	Nueces	Municipal	29	31	32	33	34	35
J	County-Other	Colorado	Municipal	38	39	39	40	41	42
J	County-Other	Nueces	Municipal	84	87	88	89	91	93
J	County-Other	Rio Grande	Municipal	15	15	16	16	16	17
J	Irrigation	Colorado	Irrigation	239	229	219	210	201	192
J	Livestock	Colorado	Livestock	190	190	190	190	190	190
J	Livestock	Rio Grande	Livestock	171	171	171	171	171	171
J	Livestock	Nueces	Livestock	254	254	254	254	254	254
J	Mining	Colorado	Mining	6	6	4	3	1	0
Total Projected Water Demands (acre-feet per year) - Edwards County =				1,292	1,301	1,298	1,301	1,301	1,305

Real

WPG	WUG	River Basin	Category	2000	2010	2020	2030	2040	2050
J	Camp Wood	Nueces	Municipal	180	183	145	133	127	124
J	Leskey	Nueces	Municipal	157	158	178	195	217	243
J	County-Other	Colorado	Municipal	32	33	32	33	32	32
J	County-Other	Nueces	Municipal	353	354	343	355	354	345
J	Irrigation	Nueces	Irrigation	835	799	785	732	701	670

Real Edwards Conservation &
Reclamation District
Table 2
Projected Water Demands

Real-Edwards Conservation and Reclamation District
Edwards and Real Counties

Edwards

WPG	WUG	River Basin	Category	2000	2010	2020	2030	2040	2050
J	Rocksprings	Colorado	Municipal	264	279	285	295	302	311
J	Rocksprings	Nueces	Municipal	29	31	32	33	34	35
J	County-Other	Colorado	Municipal	38	39	39	40	41	42
J	County-Other	Nueces	Municipal	84	87	88	89	91	93
J	County-Other	Rio Grande	Municipal	15	15	16	16	16	17
J	Irrigation	Colorado	Irrigation	239	229	219	210	201	192
J	Livestock	Colorado	Livestock	190	190	190	190	190	190
J	Livestock	Rio Grande	Livestock	171	171	171	171	171	171
J	Livestock	Nueces	Livestock	254	254	254	254	254	254
J	Mining	Colorado	Mining	8	6	4	3	1	0
Total Projected Water Demands (acre-feet per year) - Edwards County =				1,292	1,301	1,298	1,301	1,301	1,305

Real

WPG	WUG	River Basin	Category	2000	2010	2020	2030	2040	2050
J	Camp Wood	Nueces	Municipal	180	183	145	133	127	124
J	Leakey	Nueces	Municipal	167	156	176	195	217	243
J	County-Other	Colorado	Municipal	32	33	32	33	32	32
J	County-Other	Nueces	Municipal	353	354	343	355	354	345
J	Irrigation	Nueces	Irrigation	835	799	765	732	701	670

J	Livestock	Colorado	Livestock	28	28	28	28	28	28
J	Livestock	Nueces	Livestock	146	146	146	146	146	146
J	Mining	Colorado	Mining	13	9	5	2	0	0
Total Projected Water Demands (acre-feet per year) - Real County =				1,744	1,588	1,645	1,624	1,605	1,588

Total Projected Water Demand (acre-feet per year) - Real-Edwards C&RD =				3,036	2,989	2,943	2,925	2,906	2,893
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Source: Table 2, 2002 State Water Plan

TWDB 01-07/04

Real Edwards Conservation &
Reclamation District
Table 3
Projected Water Availability

Real-Edwards Conservation and Reclamation District
Edwards and Real Counties

Edwards

RWPG	Source Name	Source Type	River Basin	2000	2010	2020	2030	2040	2050
J	Edwards-Trinity-Plateau Aquifer	Groundwater	Rio Grande	521,900	521,900	521,900	521,900	521,897	521,897
J	Edwards-Trinity-Plateau Aquifer	Groundwater	Nueces	715,800	715,800	715,800	715,800	715,827	715,827
J	Edwards-Trinity-Plateau Aquifer	Groundwater	Colorado	492,700	492,700	492,700	492,700	492,687	492,687
Total Projected Water Availability (acre-feet per year) - Edwards County =				1,730,400	1,730,400	1,730,400	1,730,400	1,730,411	1,730,411

RWPG	Source Name	Source Type	River Basin	2000	2010	2020	2030	2040	2050
J	Trinity Aquifer	Groundwater	Nueces	10,700	10,700	10,700	10,700	10,651	10,651
J	Other Aquifer	Groundwater	Nueces	2,800	2,800	2,800	2,800	2,800	2,800
J	Edwards-Trinity-Plateau Aquifer	Groundwater	Nueces	494,300	494,300	494,800	494,800	494,764	494,764
J	Edwards-Trinity-Plateau Aquifer	Groundwater	Colorado	48,300	48,300	48,300	48,800	48,795	48,795
Total Projected Water Availability (acre-feet per year) - Real County =				557,100	557,100	557,100	557,100	557,010	557,010

Total Projected Water Availability (acre-feet per year) - Real-Edwards C&RD =				2,287,500	2,287,500	2,287,500	2,287,500	2,287,421	2,287,421
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Source: Table 4, 2002 State Water Plan

4/23 01/07/04

Real Edwards Conservation &
Reclamation District
Table 4
Projected Water Supply

Real-Edwards Conservation and Reclamation District
Edwards and Real Counties

Edwards										
RWPG	WUG	River Basin	Source Type	Source Name	2000	2010	2020	2030	2040	2050
J	Rocksprings	Colorado	Groundwater	Edwards-Trinity-Plateau Aquifer	885	885	885	885	885	885
J	Rocksprings	Nueces	Groundwater	Edwards-Trinity-Plateau Aquifer	97	97	97	97	97	97
J	County-Other	Colorado	Groundwater	Edwards-Trinity-Plateau Aquifer	46	46	46	46	46	46
J	County-Other	Nueces	Groundwater	Edwards-Trinity-Plateau Aquifer	102	102	102	102	102	102
J	County-Other	Rio Grande	Groundwater	Edwards-Trinity-Plateau Aquifer	18	18	18	18	18	18
J	Irrigation	Colorado	Surface Water	South Llano River Combined Run-of-River	0	0	0	0	0	0
J	Irrigation	Nueces	Surface Water	Nueces River Combined Run-of-River	0	0	0	0	0	0
J	Irrigation	Nueces	Surface Water	West Nueces River Combined Run-of-River	0	0	0	0	0	0
J	Irrigation	Colorado	Groundwater	Edwards-Trinity-Plateau Aquifer	100	100	100	100	100	100
J	Irrigation	Nueces	Groundwater	Edwards-Trinity-Plateau Aquifer	23	23	23	23	23	23
J	Irrigation	Rio Grande	Groundwater	Edwards-Trinity-Plateau Aquifer	20	20	20	20	20	20
J	Livestock	Colorado	Surface Water	South Llano River Combined Run-of-River	61	61	61	61	61	61
J	Livestock	Nueces	Surface Water	West Nueces River Combined Run-of-River	62	62	62	62	62	62
J	Livestock	Colorado	Groundwater	Edwards-Trinity-Plateau Aquifer	164	164	164	164	164	164
J	Livestock	Nueces	Groundwater	Edwards-Trinity-Plateau Aquifer	164	164	164	164	164	164
J	Livestock	Rio Grande	Groundwater	Edwards-Trinity-Plateau Aquifer	171	171	171	171	171	171
J	Mining	Colorado	Groundwater	Edwards-Trinity-Plateau Aquifer	8	8	8	8	8	8
J	Mining	Nueces	Groundwater	Edwards-Trinity-Plateau Aquifer	2	2	2	2	2	2

J	Mining	Rio Grande	Groundwater	Edwards-Trinity-Plateau Aquifer	2	2	2	2	2	2
Total Projected Water Supply (acre-feet per year) - Edwards County =					1,925	1,925	1,925	1,925	1,925	1,925

Real

RWPG	WUG	River Basin	Source Type	Source Name	2000	2010	2020	2030	2040	2050
J	Camp Wood	Nueces	Surface Water	Other Local Supply	320	320	320	320	320	320
J	Leakey	Nueces	Groundwater	Other Aquifer	180	180	180	180	180	180
J	County-Other	Colorado	Groundwater	Edwards-Trinity-Plateau Aquifer	33	33	33	33	33	33
J	County-Other	Nueces	Groundwater	Edwards-Trinity-Plateau Aquifer	119	119	119	119	119	119
J	County-Other	Nueces	Groundwater	Other Aquifer	100	100	100	100	100	100
J	County-Other	Nueces	Groundwater	Other Aquifer	139	139	139	139	139	139
J	Irrigation	Colorado	Groundwater	Edwards-Trinity-Plateau Aquifer	35	35	35	35	35	35
J	Irrigation	Nueces	Surface Water	Frio River Combined Run-of-River	1,225	1,225	1,225	1,225	1,225	1,225
J	Irrigation	Nueces	Surface Water	Nueces River Combined Run-of-River	0	0	0	0	0	0
J	Irrigation	Nueces	Groundwater	Edwards-Trinity-Plateau Aquifer	314	314	314	314	314	314
J	Livestock	Colorado	Groundwater	Edwards-Trinity-Plateau Aquifer	28	28	28	28	28	28
J	Livestock	Nueces	Surface Water	Frio River Combined Run-of-River	24	24	24	24	24	24
J	Livestock	Nueces	Surface Water	Nueces River Combined Run-of-River	25	25	25	25	25	25
J	Livestock	Nueces	Groundwater	Edwards-Trinity-Plateau Aquifer	175	175	175	175	175	175
J	Mining	Colorado	Groundwater	Edwards-Trinity-Plateau Aquifer	1	1	1	1	1	1
J	Mining	Nueces	Groundwater	Edwards-Trinity-Plateau Aquifer	5	5	5	5	5	5
Total Projected Water Supply (acre-feet per year) - Real County =					2,723	2,723	2,723	2,723	2,723	2,723

Total Projected Water Supply (acre-feet per year) - Real-Edwards C&RD =					4,648	4,648	4,648	4,648	4,648	4,648
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Source: Table 5, 2002 State Water Plan

TWCB
01/07/04

NOTICE OF OPEN MEETING OF
REAL-EDWARDS CONSERVATION AND RECLAMATION DISTRICT
THIS NOTICE IS POSTED PURSUANT TO THE TEXAS OPEN MEETINGS ACT,
V.T.C.A., GOVERNMENT CODE 551, et seq.:

The Board of Directors of the Real-Edwards Conservation and Reclamation District will hold an **OPEN MEETING** on the following date and at the time and place indicated below

TIME: 7 O'clock p.m. //
DATE: The 4th of August, 2004: **DAY:** Wednesday
PLACE: Nueces Canyon Arts, Music Theater, and Historical Society Building
City of Camp Wood County of Real

AGENDA

- I. Roll Call, determination of quorum, call to order, approve minutes
- II. Reports
 - A. Financial
 - B. Palmer Drought Index (Drought Severity Conditions)
 - C. Report on Ozona Conference on GAM for Edwards Trinity Aquifer
 - D. Administrative
 - 1. Status of Well applications
 - A. New Applications
 - B. Pending Applications
 - C. Completed Applications
- III. Action Items
 - A. Review input from July 21 Public Meeting on Draft Management Plan
 - B. Review and possible adoption Draft management Plan by proclamation
 - C. Review and action on report from Administrative Hearings on Billy Faulk, Buddy Casteel, and Randee Fagan
 - D. Review input from July 21st Public Hearing on Draft Rule Packet
 - E. Review and Act on Proposed Draft Rule Packet
 - F. Review and possible action on November General Election
 - G. Review and Act on Request from Ms. Isis Reed and Mr. Tyler Blaze for disbursement of scholarship funds and scholarship funds for Karrine Williams
 - H. Discuss a potential rule for well registration for new property owners
 - I. Discuss and potential action on existing wells that are non-compliant with district and state minimum requirements
 - J. Review and potential action on a position statement against permitting 55,000 acre feet of water in Kinney County.
- IV. Open Forum
- V. Set Time and date for next meeting
- VI. Adjourn

At any time during the meeting and in compliance with the Texas Open Meeting Act, Chapter 551, Government Code, Vernon's Texas Codes, Annotated, the Real Edwards Conservation and Reclamation District Board of Directors may meet in Executive Session on any of the above agenda items for consultation concerning Attorney-client matters, (551:071); deliberation regarding real property (551:072); deliberation regarding prospective gifts (551:073); personnel matters (551:074); and deliberation regarding security devices (551:076). Any subject discussed in executive session may be subject to action during open session.

By: _____ Date: _____
Lee Sweeten, General Manager

Time Posted: _____

Date Posted: _____

STATE OF TEXAS
COUNTIES OF EDWARDS & REAL

MANAGEMENT PLAN
2004-2014

10

WHEREAS, the Real Edwards Conservation and Reclamation District is operating pursuant to Section 59 of Article XVI of the Constitution of the State of Texas: Section I, Chapter 341 act of the 56th Legislature, 1959.

WHEREAS, the District is required by Senate Bill 1 of 1997 to develop and adopt a management plan, and

WHEREAS, the District is required by Senate Bill 1 to submit the adopted management plan to the executive administrator of the Texas Water Development Board for review and recertification every five years, and

WHEREAS, the District Board of Directors after review of the existing Management Plan, has determined that this plan should be amended, and

WHEREAS, the District Board of Directors has determined that the amended Management Plan addresses the requirements of Chapter 36.1071, and

WHEREAS, following notice and hearing, the District Board of Directors reviewed and adopted the amended Management Plan at a regular scheduled meeting held on 4th day of August, 2004 at 7:00 PM, Camp Wood, Texas and the same is recorded in the official minutes.

NOW THEREFOR, the Real Edwards Conservation and Reclamation District hereby adopts the amended Management Plan to replace the existing Management Plan as presented at the August 4th, 2004 regular business meeting, and

FURTHER, be it resolved, that this new Management Plan shall become effective immediately upon adoption.


NOW THEREFORE WITNESSED and executed this 4th day of August, 2004



Director

8-4-04

Date



Director

8-4-04

Date

Minutes
Real-Edward Conservation Reclamation District
Board of Directors Meeting

11

There came on and was held on 4th August, 2004 a open meeting of the Board of Directors of the Real-Edwards Conservation and Reclamation District. The following members were present:

Perry Bushong, Butch Wardlaw, Gary Gilmer, Jesse Lockhart, Bill Holt, Billy Casey, James D. Weaver, Lee Sweeten (Manager)

The following business was transacted:

Minutes from the June 16th, 2004 Meeting were presented. No corrections were noted.

Motion (1): Motion to approve minutes of 16th June 2004

By: Butch Wardlaw

Seconded by: Gary Gilmer

Vote: 7 for, 0 against, motion passed

Reports by Lee Sweeten:

- A. Financial report
- B. Palmer Drought Index-our plan of action
- C. Ozona Conference
- D. Administrative status of well applications

Action Items:

Action Item A: Review input from July 21 Public Meeting on Draft Management Plan
Mr. Sweeten reported that there was no input from public meeting on July 21, 2004 regarding the Draft Management Plan

Action Item B: Review and possible adoption Draft management Plan by proclamation

Final Draft of Management Plan was presented to Board by Mr. Sweeten, along with a Proclamation to Adopt the Plan

Motion (2): Adopt Draft Management Plan by Proclamation (2004-2008) as presented and amended by Lee Sweeten

By: Butch Wardlaw

Seconded by: Bill Holt

Vote: 7 for, 0 against, motion passed

Action Item C: Review and action on report from Administrative Hearings on Billy Faulk, Buddy Casteel, and Randee Fagan

The Board was presented with a copy of the Hearing Examiner's Report/Recommendations on Billy Faulk, Buddy Casteel, and Randee Fagan. While each of the above individuals was in violation of District Rules, each had also worked with the District to come into compliance and under existing rules, it would be difficult to pursue further action against them. The Board chose to not

pursue any further action at this time. However, the Board chose to strengthen rules by setting administrative penalties.

Motion (3): Motion to strengthen rules by increasing fines

By: Jesse Lockhart

Seconded By: Billy Casey

Vote: 7 for, 0 against, motion passed

Action item D: Review input from July 21st Public Hearing on Draft Rule Packet

Mr. Sweeten reported that there was no input from the July 21st Public Hearing on the Draft Rule Packet.

Action Item E: Review and Act on Proposed Draft Rule Packet

The Board was presented with the Draft Rule Packet (Section 8: Production Limitations, Section 12: Capping and Covering of Wells, Section 13: Plugging of Abandoned or Deteriorated Wells, Section 16: Waste and Beneficial Use, Section 18: Investigations and Enforcement, and Section 19: Administrative Penalties) After discussion and wording changes in Section 12 and Section 18, the Board passed the rule packet with the exception of Section 19.

Motion (4): Approve Draft Rule Packet with the exception of rule 19, section 1 and 2

By: Gary Gilmer

Seconded by: James Weaver

Vote: 7 for, 0 against, motion passed

Action Item F: Review and possible action on November General Election

The Board to no action on the General Election

Action Item G: Review and Act on Request from Ms. Isis Reed and Mr. Tyler Blazes for disbursement of scholarship funds and scholarship funds for Karrine Williams

The Board felt that since this item had been prior approved, that there was no need to take any action.

Action Item H: Discuss a potential rule for well registration for new property owners

After discussion, the Board decided not to take any action at this time

Action Item I: Discuss and potential action on existing wells that are non-compliant with district and state minimum requirements

The Board looked at possible action against land owners of Existing (Grandfathered) Wells that did not meet District and State minimum requirements. Mr. Sweeten reported that he would do a survey of TAGD membership to see what other districts were doing. He also mentioned that it was possible that many of the well owners might not have the resources to bring the wells up to standards. After discussion it was decided to take no formal action

at this time but to use a public relations to encourage non-compliant well owners to comply.

Action Item J: Review and potential action on a position statement against permitting 55,000 acre feet of water in Kinney County

After short discussion, the Board chose to not take any action on this issue.

Open Forum:

Ms. Sky Lewey, Nueces River Authority addressed the Board regarding a Tentative Conference to be held in Uvalde in November regarding land stewardship with regards to water conservation. She briefly described the draft of the conference and asked the Board to consider being one of the sponsors of the conference.

Set Time and Date of Next Meeting:

Mr. Sweeten reported that it would be necessary to hold another meeting in August to accomplish some required business. He related that he would notify the Board of the exact time and date as soon after scheduling public hearings.

With no further business the meeting adjourned.

Motion (5): To adjourn

By: James Weaver

Seconded by: Jesse Lockhart

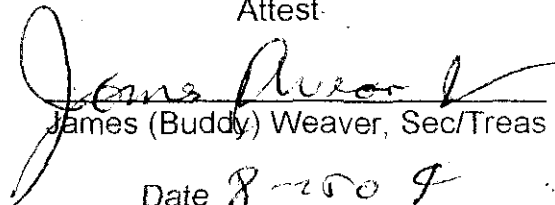
Vote: 7 for, 0 against, motion passed

Signed


Perry Bushong, Pres.

Date 8-25-04

Attest


James (Buddy) Weaver, Sec/Treas

Date 8-20-04

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24-TFN

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Stoner 830-597-6400. 27-2TC

PUBLIC NOTICE

NOTICE OF PUBLIC HEARING
The Real Edwards Conservation and
Reclamation District will hold a Pub-
lic Hearing at 7:30 PM on Wednes-
day July 21st, 2004 at the AHMATA
Building in Camp Wood to obtain
input from any interested parties re-
garding proposed changes to the
District's Management Plan.
For more information contact the
District Office at (830) 234-3158 or
email lsweeten@ricc.net 28-1TC

PUBLIC NOTICE

THIS NOTICE IS POSTED PURSU-
ANT TO THE TEXAS OPEN
MEETINGS ACT, V.C.T.A., GOV-
ERNMENT CODE, SECTION
551.002.

**THE COMMISSIONERS COURT
OF EDWARDS COUNTY,
TEXAS**, will hold a meeting on the
following day, time, and date at the
County Courthouse of Edwards
County, City of Rocksprings, Texas.
**TIME: 9:00 A.M. DATE: July 8,
2004 DAY: Thursday**

An OPEN MEETING will be held
concerning the following subjects:

AGENDA

1. Approve minutes of June 10, 2004.
2. Approve Road Supt's Report.
3. Approve Sheriff's Report.
4. Discuss and/or approve new con-
tract for Designated Representative
for O.S.S.F. (On Site Sewage Facil-
ity) and cancellation of prior contract.
5. Discuss and/or approve Burn Ban.
6. Final Plat approval of The Preserve
Sub'd., Phase I (West Nueces Ranch
Sub'd.)
7. Discuss and/or approve Retirement
Plan Rate.
8. Approval of Early Voting and Elec-
tion Precinct Judges and Alternate
Judges.
9. Prel. Plat approval of Chisholm
Ranch Sub'd. (George Gillespie
Ranch)
10. Budget Workshop
11. New business.
12. Approve item's on today's agenda
under the Private Real Property Pres-
ervation Act.
Nick Gallegos
County Judge

28-1TC

District Office at (830) 234-3158 or
email lsweeten@ricc.net 28-1TC

REQUEST FOR BIDS

The Nueces Canyon C.I.S.D. is ac-
cepting bids for the following items:

- Food Products
- Petroleum Products
- Dairy Products
- Paper Products
- Janitorial Supplies
- Office Supplies/Catalog
- Student Insurance

Please indicate "XXXX Bid En-
closed" on the envelope and sent to:

Nueces Canyon C.I.S.D.
Attn: **Teddy Sue White**
P.O. Box 118

Barksdale, TX 78828

Please Fax the NCCISD Office at
830/234-3435 for bid packets and
additional information. The School
Board reserves the right to reject any
or all bids and to accept the bid that
is in the best interest of the school.

**Bids must be received
by July 19, 2004.**

**Bids will be awarded at the Board
Meeting on July 20, 2004.**

28-2TC

Political Announcements

Federal Office.....\$60.00
State Office.....\$60.00
District Office.....\$45.00
County Office.....\$45.00
City/School Office.\$45.00

NOTE: The above prices
include a news story of not
more than 250 words,
with picture if desired.
Additional words will be
charged at 20¢ per word.

The following candi-
dates have authorized *The
Texas Mohair Weekly* to list
their name as a candidate for
the 2004 General Election.

Edwards County Sheriff

Don Letsinger
Republican

Pd. Adv. By Don G. Letsinger,
P. O. Box 614, Rocksprings, TX 78880

Commissioner Precinct I

Souli Shanklin
Republican Candidate

Pd. Adv. By Souli Shanlin,
P.O.Box 1046, Rocksprings, TX 78880

Board Officers

Perry Gushong, President
Mel Clayton, Vice President
Linda D Weaver, Secretary-Treasurer

Real Edwards Conservation and Reclamation District
Protecting your rights to your water

P.O. Box 350
Barksdale, Texas 78828
Phone/fax (830) 234-3158
Email :

Lee Sweeten, General Manager

Board Members

Gary Gilmer
Jesse Lockhart, Jr.
Roland Trues
Russell "Buck" Wardlaw
Bill Holt
Billy George Cussey

August 5, 2004

Mr. Jonathan Letz, Chair
Plateau Regional Water Planning Group
700 Main Street
Kerrville, Texas 78028

COPY

Ba

RE: Adopted Management Plan

Jonathan,

As per requirement, enclosed you will find a copy of the Real Edwards Conservation and Reclamation District Management Plan. This plan was adopted by resolution at the District Board Meeting on August 4th, 2004.

Should you have any questions regarding this plan or other District matters, please contact our office.

Sincerely,

Lee Sweeten, G.M.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the mailpiece to you.

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) <i>Kathy Mitchell</i>	B. Date of Delivery <i>8-6-4</i>
C. Signature <i>Kathy Mitchell</i>	
<input checked="" type="checkbox"/> Certified Mail	<input type="checkbox"/> Agent
<input type="checkbox"/> Registered	<input type="checkbox"/> Addressee
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> Yes
<input type="checkbox"/> C.O.D.	<input type="checkbox"/> No
D. Is delivery address different from item 1? If YES, enter delivery address below:	

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Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.11



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3. Service Type	<input checked="" type="checkbox"/> Certified Mail	<input type="checkbox"/> Express Mail
	<input type="checkbox"/> Registered	<input type="checkbox"/> Return Receipt for Merchandise
	<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.
4. Restricted Delivery? (Extra Fee)	<input type="checkbox"/> Yes	

Sent To: *Letz, Chino*
Street, Apt. No. or PO Box No.: *Water Plains*
City, State, ZIP+4: *700 Main Kerrville, Texas*

7002 2410 0002 8353 6498

Board Officers

Peery Bushong,
President
Vital Stegeman, Vice
President
James D Weaver
Secretary-Treasurer

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Barksdale, Texas 78828
Phone/fax (830) 234-3158
Email:

Board Members

Clary Gilmer
Jesse Lockhart, Jr.
Roland Treas
Roswell "Bunch" Wardlaw
Bill Holt
Billy George Cassey

Lee Sweeten, General Manager

August 5, 2004

Ms. Sky Lewey
Nueces River Authority
P.O. Box 349
Uvalde, Texas 78802

RE: Adopted Management Plan

Sky,

As per requirement, enclosed you will find a copy of the Revised Real Edwards Conservation and Reclamation District Management Plan. This plan was adopted by resolution at the District Board Meeting on August 4th, 2004.

Should you have any questions regarding this plan or other District matters, please contact our office.

Sincerely,

Lee Sweeten, G.M.

12

COPY

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