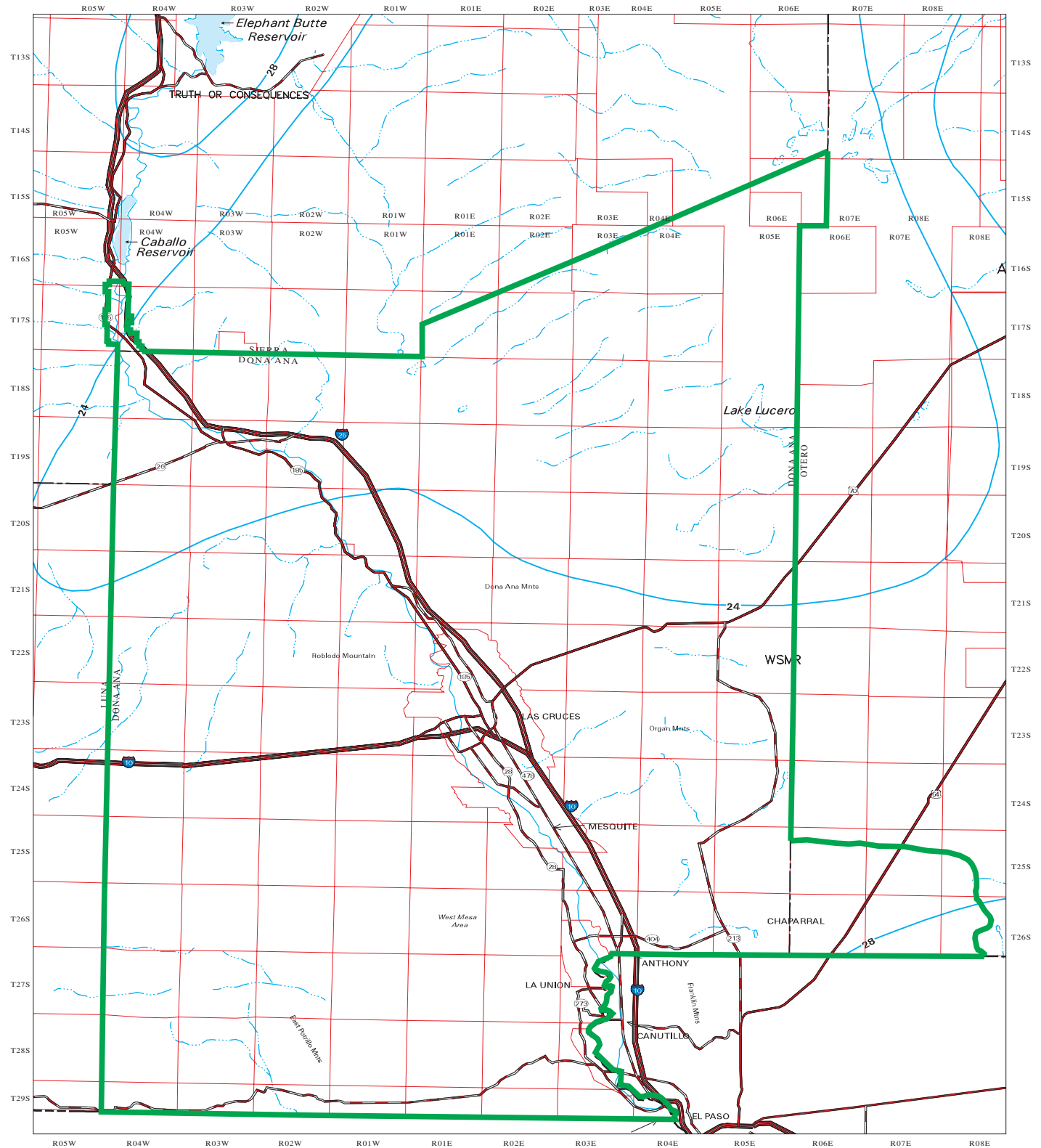


# Lower Rio Grande Water Users Organization

## Figure 4.1 January Average Daily Minimum Temperature



Produced by New Mexico Water Resources Research Institute, December 2000

Base map prepared by the U.S. Geological Survey  
 Compiled from digital data provided by the New Mexico Resource Geographic Information System Program (RGIS). Original base map digitized from 1:500,000 map sheets and 1:100,000 paper maps for New Mexico. These data meet National Mapping Accuracy Standards for 1:500,000 and 1:100,000 scale maps. This dataset contains the mean minimum temperature, for January, in degrees Fahrenheit, for the state of New Mexico. The data set was created to digitally represent the mean minimum temperature, for January, of the state of New Mexico between the years of 1931 and 1952. Latitude interval is 4 degrees. The original source is "Climatology of the United States No. 60-26," U.S. Department of Commerce (Houghton, 1972; Yi-Fu Tsun et al., 1973). Boundary of the Lower Rio Grande Water Users Organization Water Planning Region is based on the New Mexico county boundaries.

Horizontal accuracy: At the scale of 1:500,000 at least 90 percent of the points tested are within 1/32th inch (0.03125 inch), or within 423 ground meters, of their true location.  
 Projection: Universal Transverse Mercator, Zone 13, Units: meters, NAD83.  
 Houghton, F.E., 1972, Climate of New Mexico: U.S. Department of Commerce, Climates of the States Series, Washington, D.C., Revised 1972.  
 Yi-Fu Tsun, Everett, C.E., Waldron, J.G., and Bennett, L., 1973, The Climate of New Mexico, New Mexico State Planning Office, revised 1973.

**Explanation**

- State Line
- County Line
- Perennial Stream/River
- Intermittent Stream
- Interstate
- U.S. Highway
- State Highway
- Township/Range
- Planning Region
- Mean Minimum Temperature

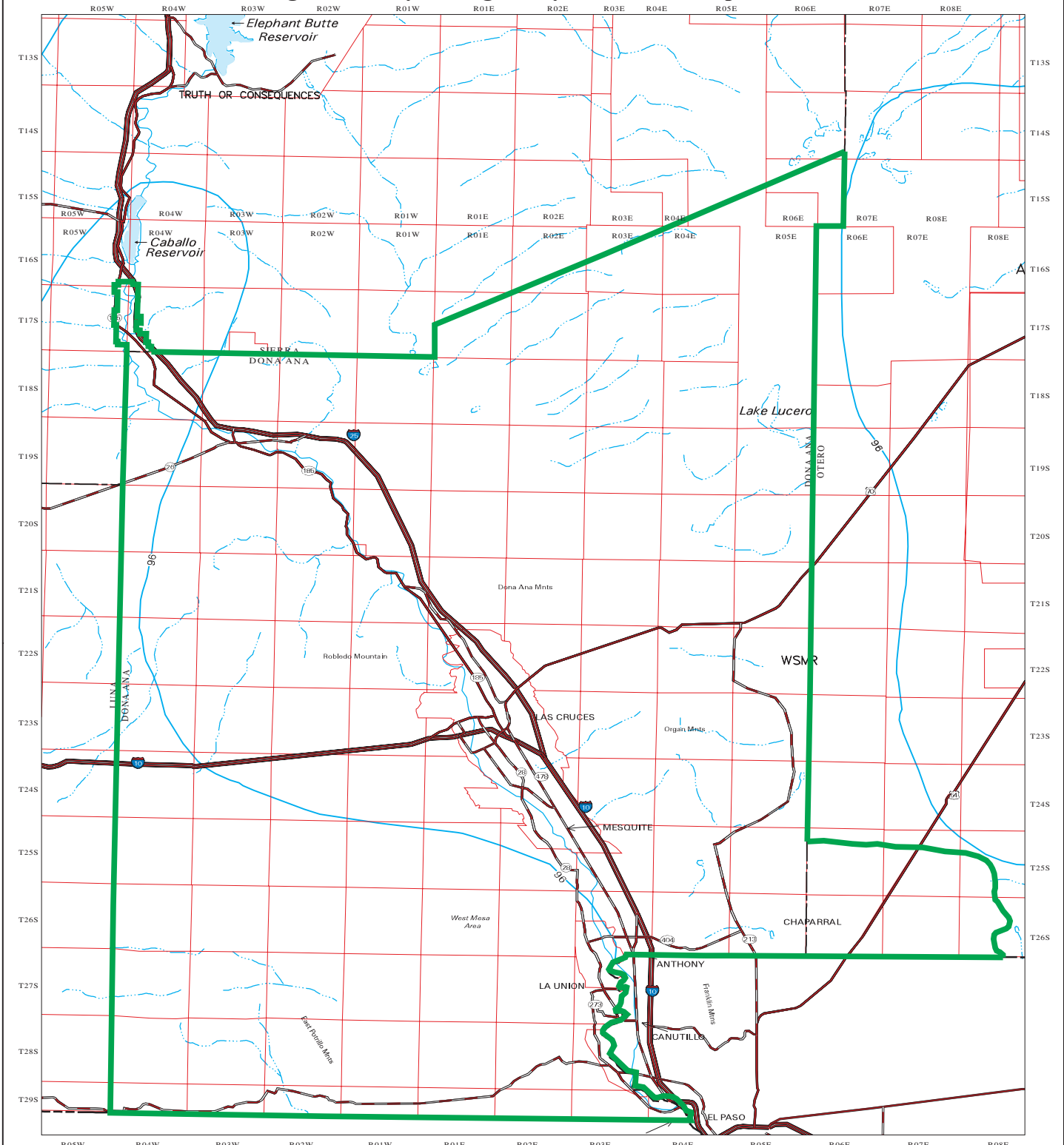
SCALE 1: 500 000

10 0 10 20 30 40 50 MILES

10 0 10 20 30 40 50 KILOMETERS

# Lower Rio Grande Water Users Organization

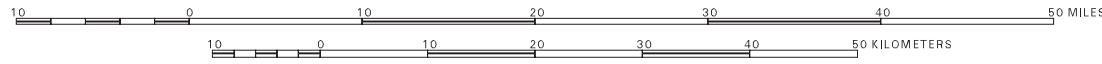
## Figure 4.2 July Average Daily Maximum Temperature



- |  |                        |  |                                   |
|--|------------------------|--|-----------------------------------|
|  | State Line             |  | State Highway                     |
|  | County Line            |  | Township/Range                    |
|  | Perennial Stream/River |  | Planning Region                   |
|  | Intermittent Stream    |  | Average Daily Maximum Temperature |
|  | Interstate             |  |                                   |
|  | U.S. Highway           |  |                                   |



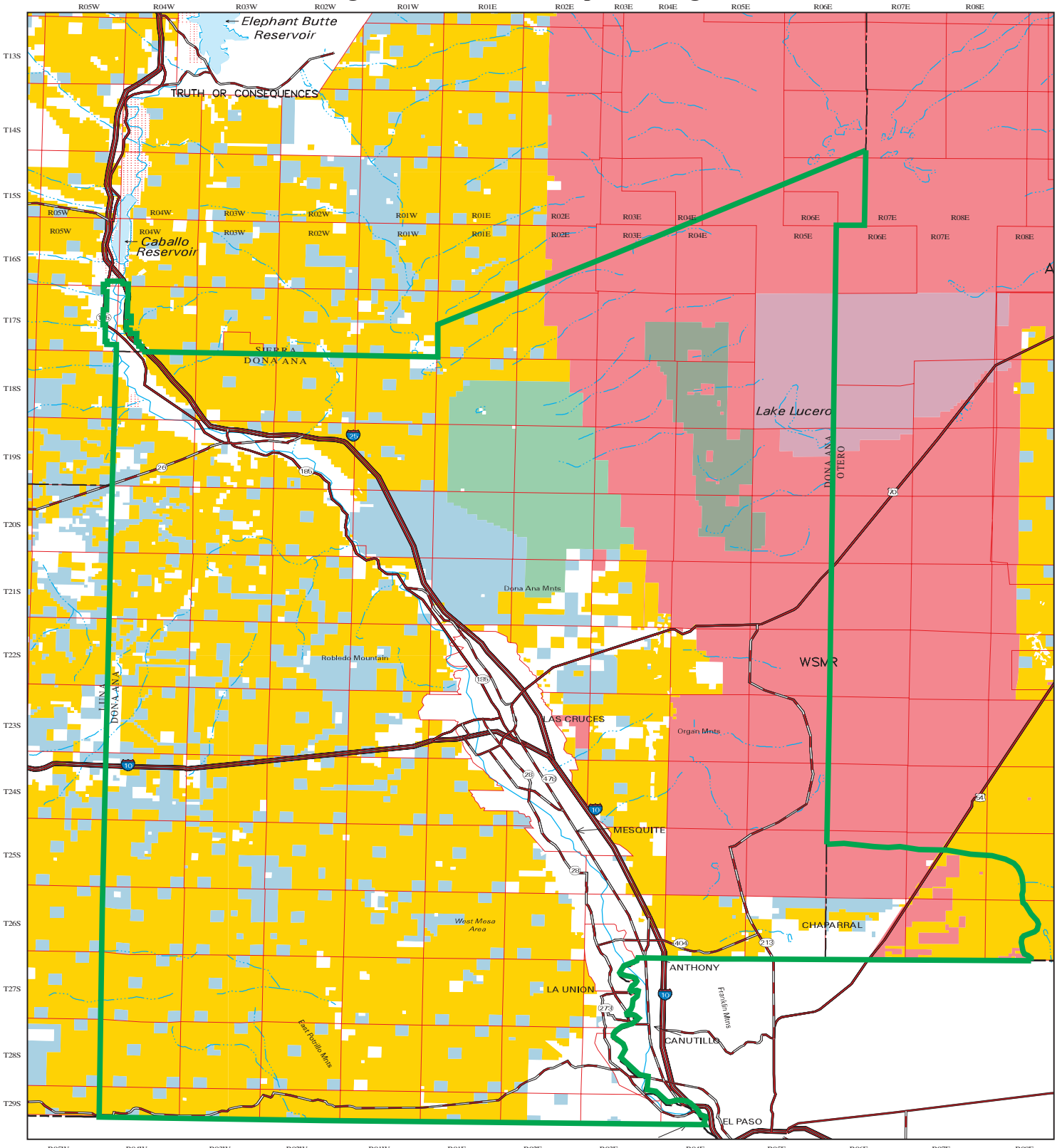
SCALE 1: 500 000



Produced by New Mexico Water Resources Research Institute, December 2000  
 Base map prepared by the U.S. Geological Survey  
 Compiled from digital data provided by the New Mexico Resource Geographic Information System Program (RGIS). Original base maps digitized from 1:500,000 scale sheets and 1:100,000 scale maps for New Mexico. These data meet National Mapping Accuracy Standards for 1:500,000 and 1:100,000 scale maps. This dataset contains the mean maximum temperature, for July, in degrees Fahrenheit isopleths of the state of New Mexico. The dataset was created by digitizing isopleths of the state of New Mexico, for July, of the state of New Mexico between the years of 1931 and 1952. Inverse interval: 4 degrees. The original source is "Climatography of the United States No. 60 29" U.S. Department of Commerce (Houghton 1972, Yi Fu Tuan et al., 1973). Boundary of the Lower Rio Grande Water Users Organization Water Planning Region is based on the New Mexico county boundaries.  
 Horizontal accuracy: At the scale of 1:500,000 at least 90 percent of the points tested are within 1/30th inch (0.0333 inch), or within 423 ground meters, of their true location.  
 Projection: Universal Transverse Mercator, Zone 13, Units meters, NAD83.  
 Houghton, F.E. 1972. Climate of New Mexico: U.S. Department of Commerce, Climates of the States Series, Washington, D.C., Revised 1972.  
 Yi Fu Tuan, Everett, C.E., Widdison, J.G., and Bennette, L. 1973. The Climate of New Mexico: New Mexico State Planning Office, revised 1973.

# Lower Rio Grande Water Users Organization

## Figure 4.3 Land Ownership in the Region



- |                        |                       |                         |                |
|------------------------|-----------------------|-------------------------|----------------|
| State Line             | State/Other Highway   | US Fish & Wildlife      | State Park     |
| County Line            | Township/Range        | Indian and Tribal Lands | NM Game & Fish |
| Perennial Stream/River | Planning Region       | Dept. of Defense        |                |
| Intermittent Stream    | Dept. of Agriculture  | National Parks Service  |                |
| U.S. Highway           | BLM Public Land       | Dept. of Energy         |                |
| Interstate             | Bureau of Reclamation | Private                 |                |
|                        | Forest Service        | State Land              |                |

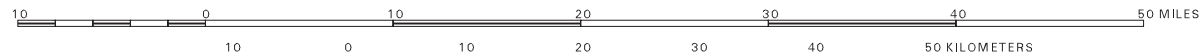
Produced by New Mexico Water Resources Research Institute, December 2000  
 Base map prepared by the U.S. Geological Survey

Compiled from digital data provided by the New Mexico Resource Geographic Information System Program (RGIS). Original base maps digitized from 1:500,000 mylar sheets and 100,000 paper maps for New Mexico. These data meet National Mapping Accuracy Standards for 1:500,000 and 1:100,000 scale maps. Land ownership coverage developed by the BLM at 1:100,000 scale. Boundary of the Lower Rio Grande Water Users Organization Water Planning Region is based on the New Mexico county boundaries and the EBID boundary in Sierra County.

Horizontal accuracy: At the scale of 1:500,000 at least 90 percent of the points tested are within 1/320th inch (0.0333 inch), or within 423 ground meters, of their true location.

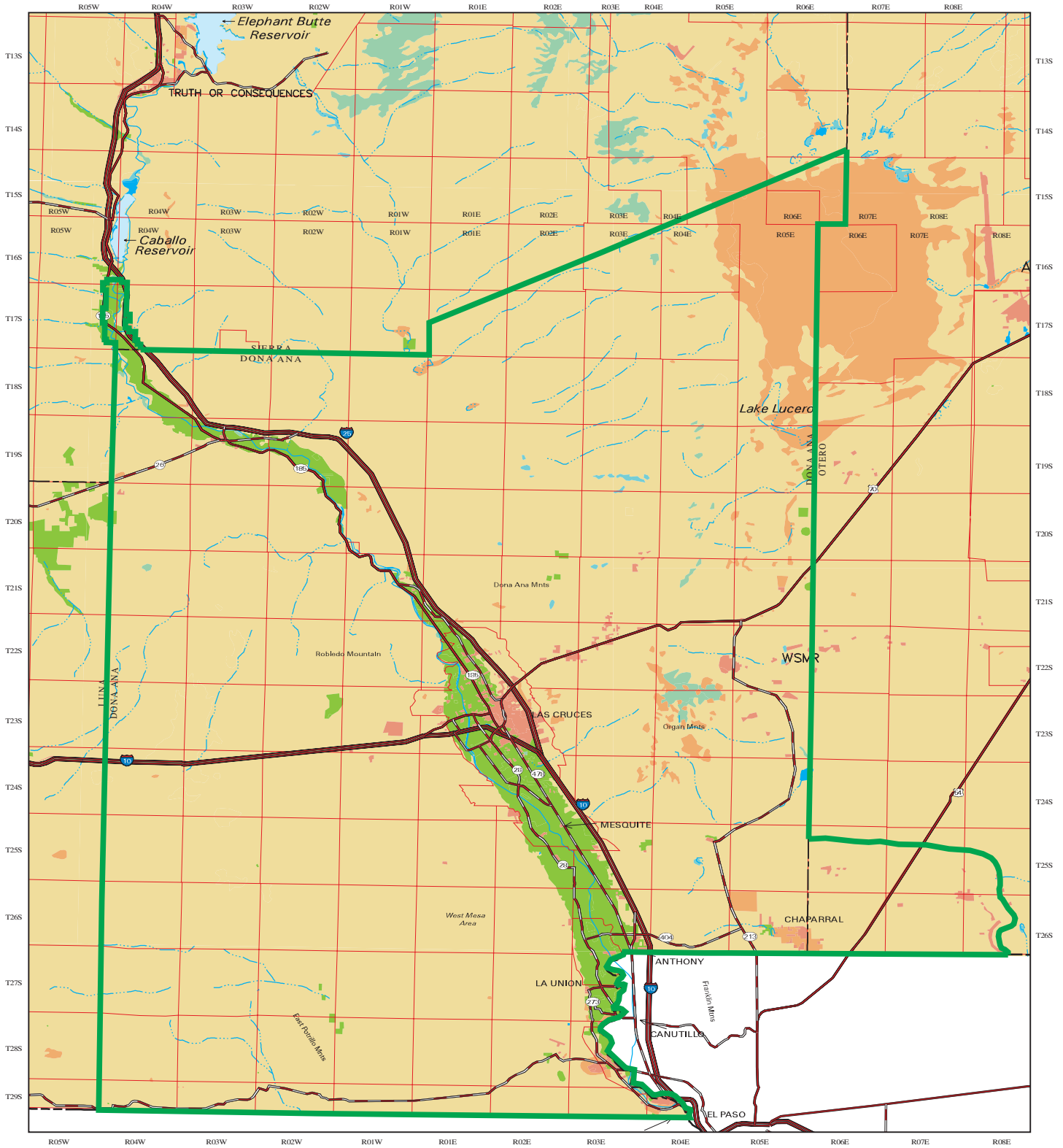
Projection: Universal Transverse Mercator, Zone 13, Units meters, NAD83.

SCALE 1: 500 000



# Lower Rio Grande Water Users Organization

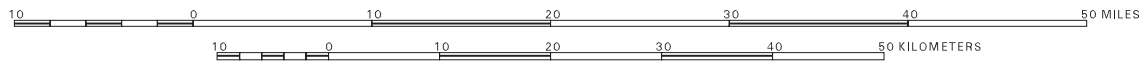
## Figure 4.4 Land Use in the Region



- |  |  |  |
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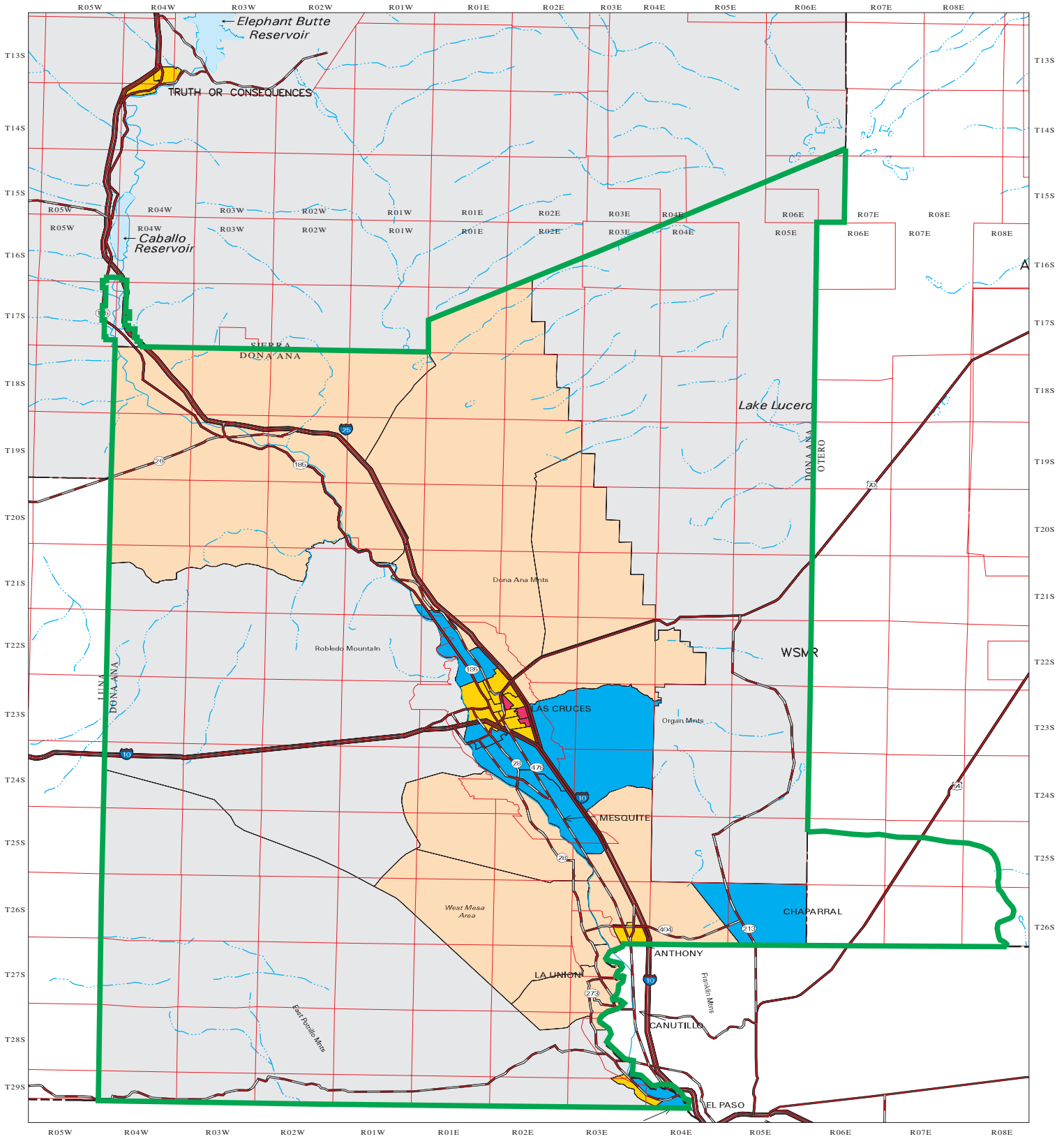
Produced by New Mexico Water Resources Research Institute, December 2000  
 Base map prepared by the U.S. Geological Survey  
 Compiled from digital data provided by the New Mexico Resource Geographic Information System Program (RGIS). Original base maps digitized from 1:500,000 mylar sheets and 100,000 paper maps for New Mexico. These data meet National Mapping Accuracy Standards for 1:500,000 and 1:100,000 scale maps. Land use coverage developed by USGS/EPA at 1:250,000 scale. Boundary of the Lower Rio Grande Water Users Organization Water Planning Region is based on the New Mexico county boundaries.  
 Horizontal accuracy: At the scale of 1:500,000 at least 90 percent of the points tested are within 1/328th inch (0.0333 inch), or within 847 ground meters, of their true location.  
 Projection: Universal Transverse Mercator, Zone 13, Units meters, NAD83.

SCALE 1: 500 000



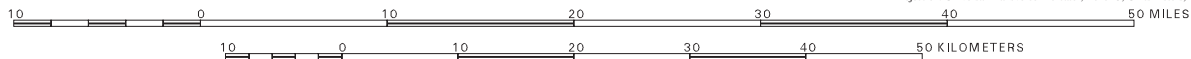
# Lower Rio Grande Water Users Organization

## Figure 4.5 Population Density



- |  |                                   |  |  |
|--|-----------------------------------|--|--|
|  | State Highway                     |  | 5000 and above persons per square mile |
|  | State Line                        |  |  |
|  | County Line                       |  |  |
|  | Perennial Stream/River            |  |  |
|  | Intermittent Stream               |  |  |
|  | Interstate                        |  |  |
|  | U.S. Highway                      |  |  |
|  | Township/Range                    |  |  |
|  | Planning Region                   |  |  |
|  | 0 10 Persons per square mile      |  |  |
|  | 10 100 Persons per square mile    |  |  |
|  | 100 1000 Persons per square mile  |  |  |
|  | 1000 5000 Persons per square mile |  |  |

SCALE 1: 500 000



Produced by New Mexico Water Resources Research Institute, June 2001  
 Base map prepared by the U.S. Geological Survey  
 Compiled from digital data provided by the New Mexico Resource Geographic Information System Program (RGIS). Original base maps digitized from 1:50,000 naylor sheets and 100,000 paper maps for New Mexico. These data meets National Mapping Accuracy Standards for 1:500,000 and 1:1,000,000 scale maps. Population density coverage developed from the US Bureau of the Census 2000 data (from RGIS data file). Boundary of the Socorro and Sierra Water Planning Region is based on the New Mexico county boundaries. The cadastral accuracy of the county boundaries where verified by the use of 1:100,000 Public Land Survey System (PLSS) from RGIS. The cadastral accuracy of the OSE administrative basins and the county boundaries where verified by the use of 1:100,000 Public Land Survey System (PLSS) from RGIS.  
 Horizontal accuracy: At the scale of 1:1,000,000 at least 90 percent of the points tested are within 1/30th inch (0.0333 inch), or within 847 ground meters, of their true location.  
 Projection: Universal Transverse Mercator, Zone 13, Units meters, NAD83.

