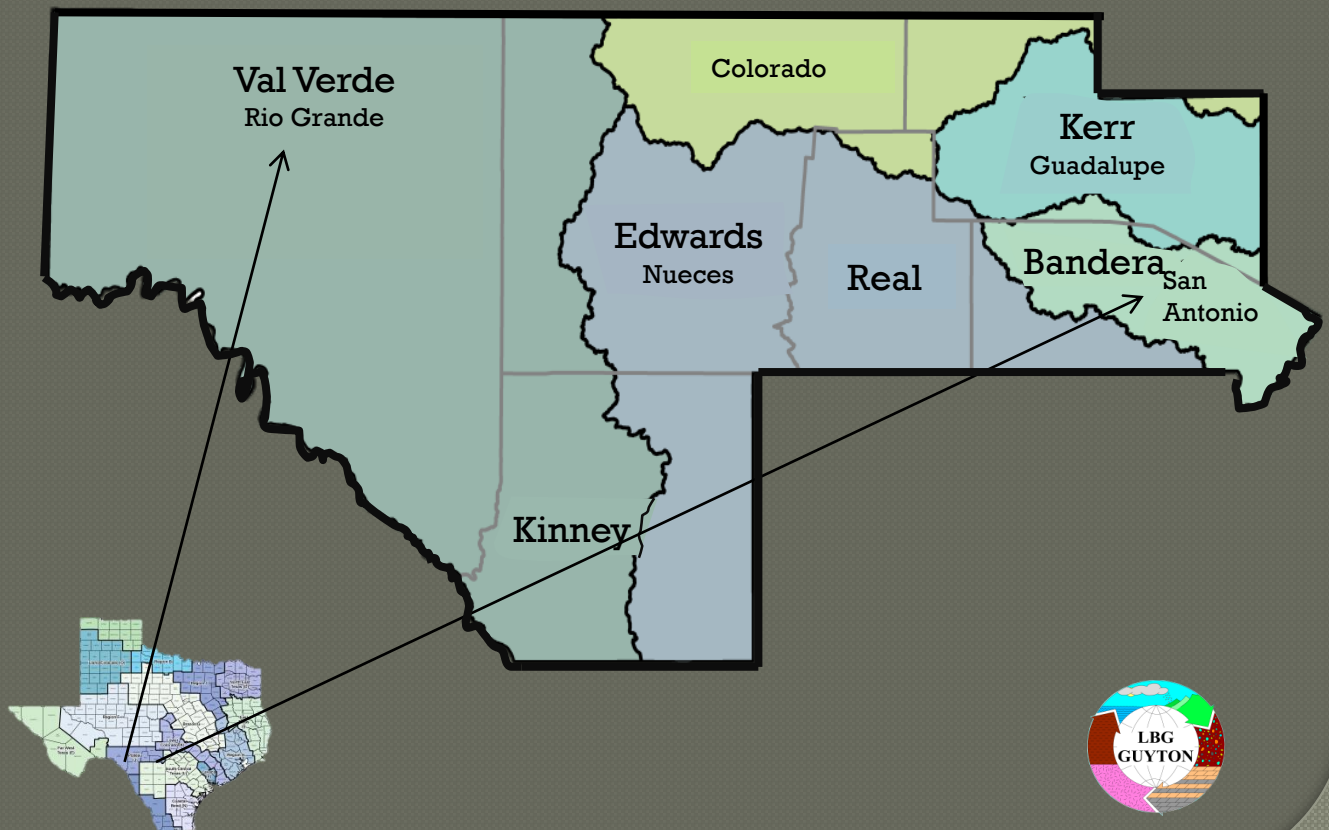


Plateau Region

2016 County Summary Report

Prepared For
Plateau Region Water Planning Group

Prepared By
LBG-Guyton Associates



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INTRODUCTION

The *2016 Plateau Region Water Plan* provides an evaluation of current and future water demands for all water-use categories, and considers available water supplies and management strategies to meet both long- and short-term identified water supply needs. The Plateau Water Planning Region (Region J) stretches from the Central Texas Hill Country westward to the Rio Grande and consists of Bandera, Edwards, Kerr, Kinney, Real and Val Verde Counties.

The Plateau Region Planning Group is a voluntary association comprised of members representing a minimum of 11 water-use categories, including at least one representative from each of the six counties and from the three Groundwater Management Areas (GMAs). The Group is charged with addressing the needs of all water users and suppliers within the Region, developing water management strategies to meet identified future water supply needs (including conservation practices), and addressing meaningful responses to future droughts.

Every five years water plans developed by the 16 state-wide water planning regions are merged by the Texas Water Development Board (TWDB) into a State Water Plan. The ultimate goal of the State Water Plan is to identify those policies and actions that may be needed to meet Texas' near- and long-term water needs based on a reasonable projected use of water, affordable water supply availability, and conservation of the State's natural resources.

This Plateau Region County Summary Report provides an overview of the six counties' available water resources, projected population and water demand over the 50-year planning horizon, available existing water supplies, and potential water management strategies. A more detailed look into each county can be found within the *2016 Plateau Region Water Plan* located on the TWDB website:

http://www.twdb.texas.gov/waterplanning/rwp/plans/2016/J/Region_J_2016_RWP.pdf.

TERMINOLOGY

Population and Water Demand Projections – The TWDB utilized the 2010 Census data in developing the county-level population and water demand projections. Water demand projections were based upon a dry year. According to the National Drought Mitigation Center, 2009 was the driest year and was used as the base for the water demand projections.

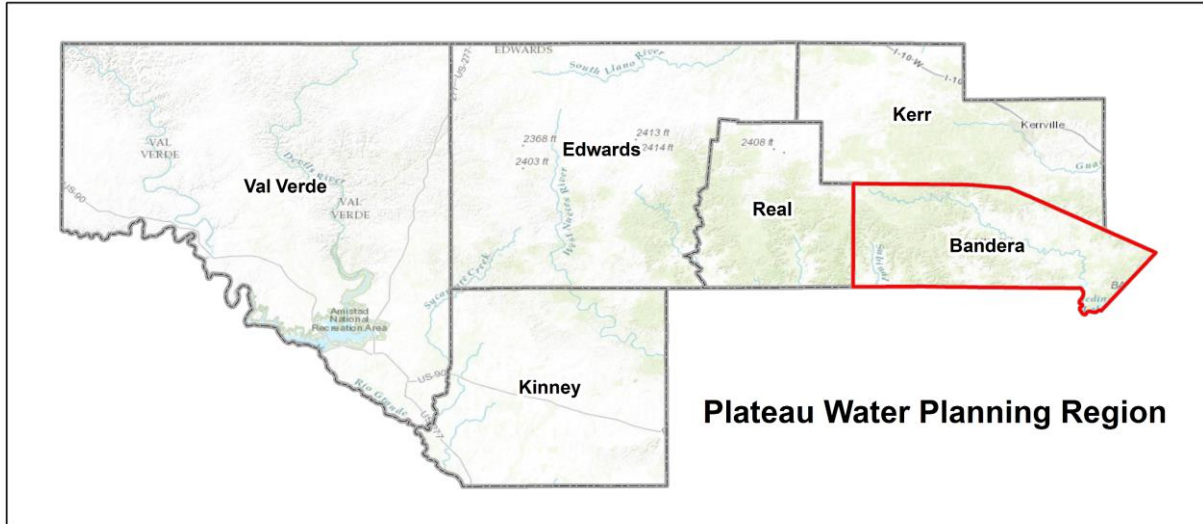
Source Water Availability – The maximum amount of raw water available from a source during a drought of record, regardless of whether the supply is physically or legally accessible by a water-user group (WUG) or a wholesale water provider (WWP).

Existing Infrastructure Water Supply – The amount of water that is physically and legally available for use by a WUG. Often this volume of water is defined by infrastructure capacity.

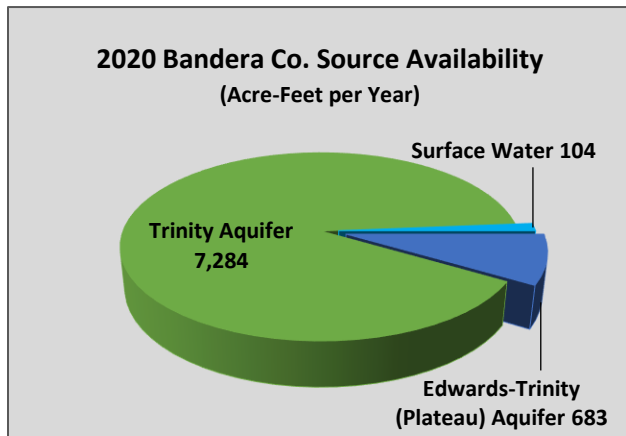
Water Need – A need for water is identified when existing water supplies are less than projected water demands for the same WUG within any planning decade.

Water Management Strategy – A strategy developed to create additional, new water for those areas where water needs have been determined. Strategies are evaluated based on criteria such as: water quantity, water quality, reliability, financial costs and environmental impacts.

BANDERA COUNTY

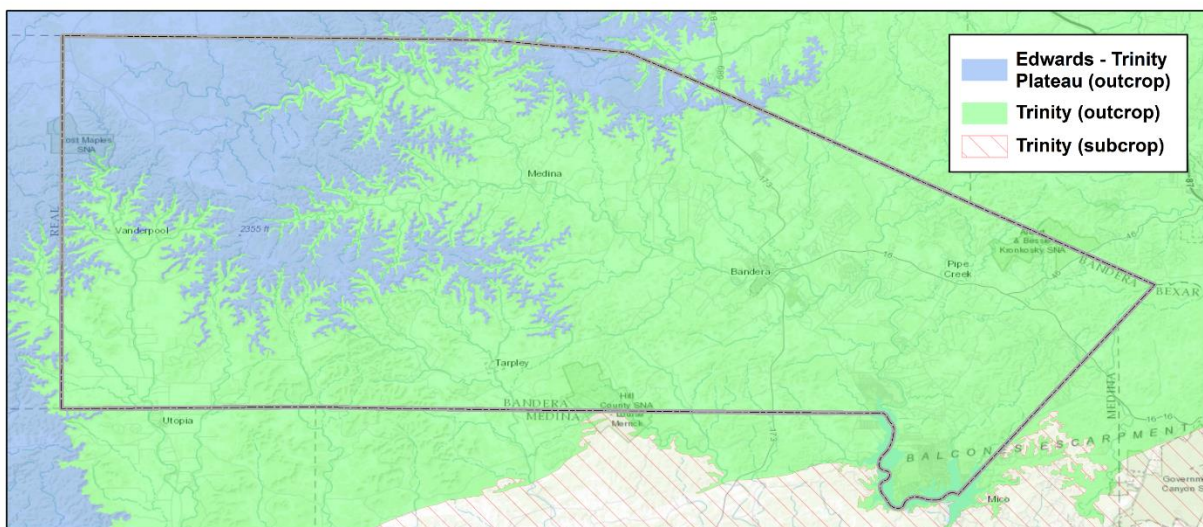


Who are my water-planning representatives? Jonathan Letz – Planning Group Chairman; David Maulk – Bandera County RAGD (General Manager); W. Feathergail Wilson – County Planning Representative and Homer T. Stevens – County Planning Representative.

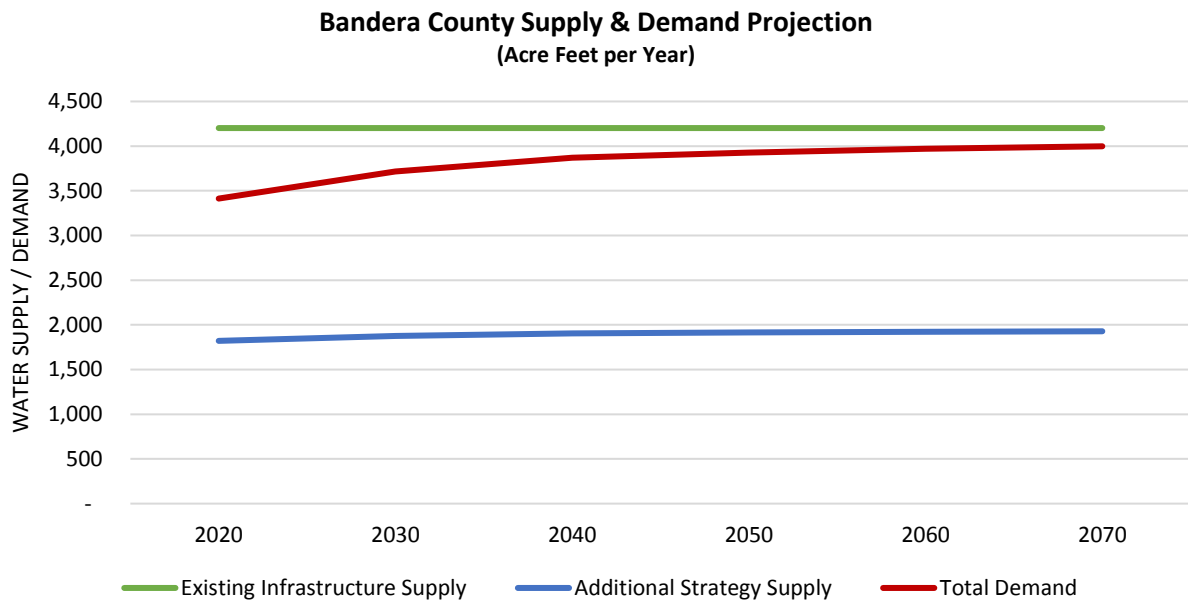
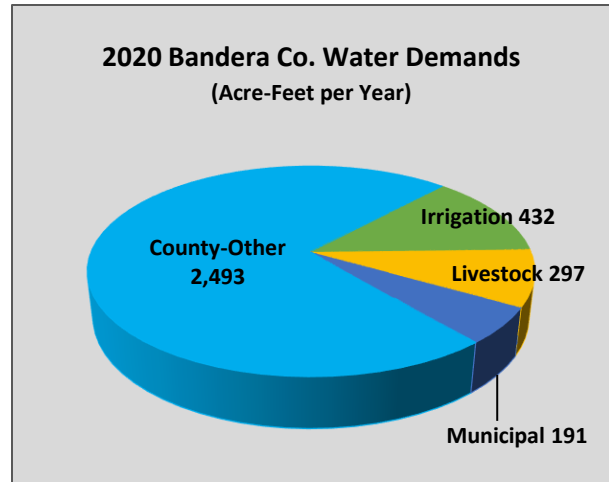
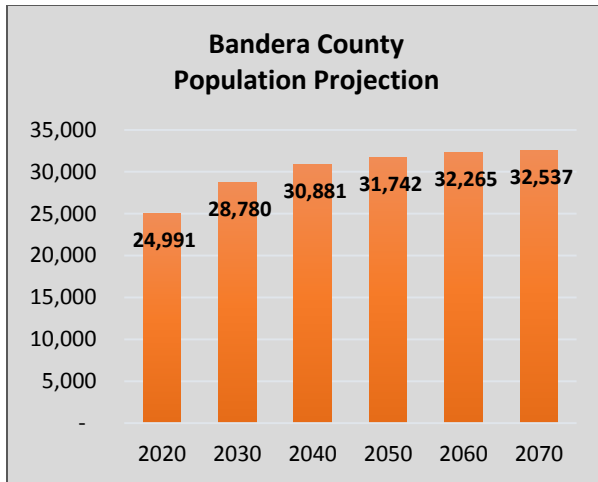


What are the sources of my water supplies?

- Edwards-Trinity (Plateau) Aquifer
- Trinity Aquifer
- Surface Water:
 - Guadalupe River Tributaries
 - Nueces River
 - San Antonio / Medina River



BANDERA COUNTY



Water User Group	Strategy
City of Bandera	Reuse treated wastewater effluent for municipal irrigation use
	Promote, design & install rainwater harvesting systems
	Additional Lower Trinity well and lay necessary pipeline
	Additional Middle Trinity wells within City water infrastructure
County-Other	Water loss audit and main-line repair
	Vegetative land use management
	Drought management (BCRAGD)
	Additional well for Pebble Beach subdivision
	Additional wells to provide emergency supply to VFD
	Additional wells to help Medina Lake area
Irrigation	Additional groundwater wells
Livestock	Additional groundwater well