Maps showing outcrops of the Edwards and associated limestones in the principal recharge area of the Edwards aquifer in Bexar County, Texas: Sheet 3, Helotes Quadrangle.

Edwards and associated limestones:
- Includes Edwards Limestone, Goethite Limestone, and Conglomerate Limestone. The Edwards Limestone generally yields small quantities of fresh to slightly saline water.

Glenn Rose Limestone:

Contact Fault (C.F.)
- Upthrown side: D, downthrown side: U

Prepared by the U.S. Geological Survey in cooperation with the Edwards Underground Water District and the Texas Water Development Board.
Maps showing outcrops of the Edwards and associated limestones in the principal recharge area of the Edwards aquifer in Bexar County, Texas: Sheet 4, Longhorn Quadrangle.
Maps showing outcrops of the Edwards and associated limestones in the principal recharge area of the Edwards aquifer in Bexar County, Texas: Sheet 6, San Geronimo Quadrangle.
Note: Large-format versions of the original plates are on the following pages.
Maps showing outcrops of the Edwards and associated limestones in the principal recharge area of the Edwards Aquifer in Bexar County, Texas: Sheet 1, Camp Bullis Quadrangle.

**Explanations**

**Edwards and associated limestones**

Includes Georgetown Limestone, Edwards Limestone, and Dunlap Point Limestone. Geological features are for the Edwards ground-water resources. Principal aquifer is flexible small to large quantities of fresh water.

**Glen Rose limestones**

Shales, sandy limestones, and shales. Generally yields small quantities of fresh to slightly saline water. Area includes isolated outcrops of Edwards and associated limestones.

**Contact**


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Prepared by the U.S. Geological Survey in cooperation with the Edwards Underground Water District and the Texas Water Development Board.

**Open File Map**


**Road Classification**

Heavy duty, medium duty, unimproved dirt.
MAPS SHOWING OUTCrops OF THE EDWARDS AND ASSOCIATED LIMESTONES IN THE PRINCIPAL RECHARGE AREA OF THE EDWARDS AQUIFER IN BEAR COUNTY, TEXAS: SHEET 3, HELotes QUADRANGLE

Recharge Zone

Buffer Zone

Recharge Zone

Buffer Zone

Creek

Buffer Zone

Recharge Zone

Explaination

MAPS SHOWING OUTCROPS OF THE EDWARDS AND ASSOCIATED LIMESTONES IN THE PRINCIPAL RECHARGE AREA OF THE EDWARDS AQUIFER IN BEXAR COUNTY, TEXAS: SHEET 5, CASTLE HILLS QUADRANGLE

United States Department of the Interior
Geological Survey

Explanations:

Rock bodies younger than Edwards and associated limestones:
- Includes Austin Chalk, Eagle Ford Shale, Buda Limestone, and Grayson Shale.
- Generally yields small quantities of fresh to slightly saline water.

Edwards and associated limestones:
- Includes Georgetown Limestone, Edwards Limestone, and Comanche Peak Limestone.
- Principal recharge zone for the Edwards groundwater reservoir.
- Generally yields small quantities of fresh water.

Glen Rose Limestone:
- Includes shale, shaly limestone, and limestone.
- Generally yields small quantities of fresh to slightly saline water.

Area includes isolated outcrops of Edwards and associated limestones.

Contact:

Road classification:
- Interstate
- U.S. Route
- State Route

Scale:
1:24,000

Prepared by the U.S. Geological Survey in cooperation with the Edwards Underground Water District and the Texas Water Development Board.
NPS SHOWING OUTCROPS OF THE EDWARDS AND ASSOCIATED LIMESTONES IN THE PRINCIPAL RECHARGE AREA OF THE EDWARDS AQUIFER IN BEXAR COUNTY, TEXAS: SHEET 6, SAN GERVONIMO QUADRANGLE

EXPLANATION

1. depositional limestones
   - Edwards Limestone
   - Edwards Formation
   - associated strata

2. structural limestones
   - San Marcos Limestone
   - other associated strata

3. depositional limestones
   - calcareous sediments
   - associated strata

4. structural limestones
   - San Marcos Limestone
   - other associated strata

5. diagenetic limestones
   - mineralized limestones
   - associated strata

6. surficial deposits
   - alluvial deposits
   - associated strata

7. karst topography
   - sinkholes
   - associated strata

8. springs
   - associated strata

9. groundwater flow
   - recharge zone
   - discharge zone

10. surface water
    - streams
    - associated strata

11. roads
    - county roads
    - associated strata

12. geological survey
    - vertical datum
    - associated strata