

THE GLEN ROSE SECTION IN THE CANYON RESERVOIR AREA
COMAL COUNTY, TEXAS

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ABSTRACT

The area lies in the western edge of the Balcones fault system near the eastern margin of the Edwards Plateau. En echelon, down-to-the-coast faults repeat section which is well exposed in the rejuvenated, youthful topography.

The nearly horizontal Cretaceous strata range in age from Middle Aptian to Middle Albian and are covered in some places by Quaternary alluvium and colluvium. The concept of physically defined time-stratigraphic units of sub-series rank is useful in understanding the stratigraphic relationships within the Trinity and Fredericksburg Divisions.

Laterally persistent, essentially synchronous sedimentational units of the Glen Rose Formation weather into a diagnostic alternating bench and slope topography. Deposition took place in an extensive shallow back-reef sea formed behind the Stuart City reef. The Glen Rose of the report area is separated into twelve locally recognizable subdivisions.