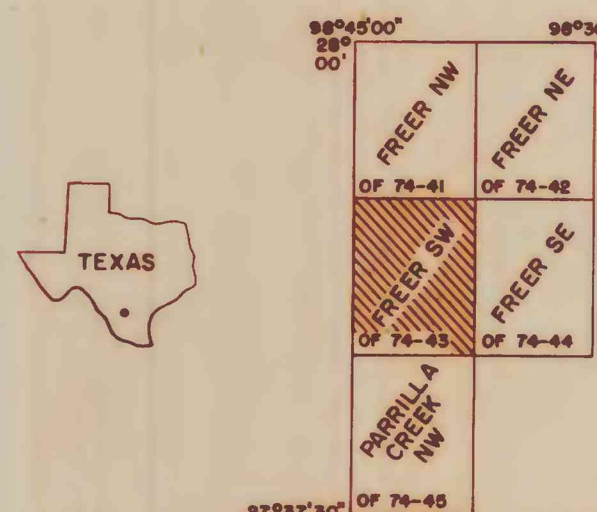


CORRELATION OF MAP UNITS			
Qal	UNCONFORMITY	Holocene and/or Pleistocene	QUATERNARY
Qt			
UNCONFORMITY			
Tg	UNCONFORMITY	Pliocene	TERTIARY
Tfoc			
Tsc			
Tcc	UNCONFORMITY	Miocene	TERTIARY
Tcs			
Tcf			

- DESCRIPTION OF MAP UNITS
- Qal ALLUVIUM (HOLOCENE AND/OR PLEISTOCENE)--Unconsolidated gravel, sand, clay, and soil along rivers and streams
- Qt ALLUVIUM (PLEISTOCENE)--Irregularly distributed gravel, sand, and clay
- Tg GOLIAD SAND (PLIOCENE)--Sandstone, white, clayey, fine to very fine grained; contains some vari-colored grains and siliceous or calcite cement
- Tfoc FLEMING FORMATION, OAKVILLE SANDSTONE, AND CATAHOULA TUFF (MIOCENE)--Clay, sandstone, and tuffaceous mudstone, light-gray to white; calcified at surface
- To OAKVILLE SANDSTONE (MIOCENE)--Sandstone, fine to medium-grained; contains abundant varicolored grains, and siliceous or calcite cement near surface
- CATAHOULA TUFF (MIOCENE)
- Tcc Chusa Tuff Member--Mudstone, pink, tuffaceous, pisolitic texture, siliceous in places and calcitic near surface
- Tcs Soladad Volcanic Conglomerate Member--Conglomerate, mottled gray, sandy, grains are volcanic (most are rhyolite, trachyte, or trachyandesite)
- Tsc A coarse-grained bed, near top, contains boulders as much as a foot (30 cm) in diameter
- Tcf Pant Tuff Member--Claystone, pale-olive and brown, silty; and sandstone; contains varicolored grains and is interbedded in places with pale-brown clay
- Ts Siliceous knobs--Chalcedony, hard, dense, banded, and calcitic; topographically prominent
- CONTACT--Approximately located in most areas because of soil cover
- U FAULT--Approximately located in most areas because of soil cover; dashed where concealed. U, upthrown side; D, downthrown side



INDEX TO QUADRANGLE LOCATION (PATTERNED)
AND DESIGNATION OF OPEN-FILE REPORTS

U.S. Geological Survey
OPEN FILE REPORT
This map is preliminary and has not
been edited or reviewed for conformity
with Geological Survey standards or
nomenclature.

PRELIMINARY GEOLOGIC MAP OF THE FREER SW QUADRANGLE, DUVAL COUNTY, TEXAS

By
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Compiled by Beth Ogden Davis

1974