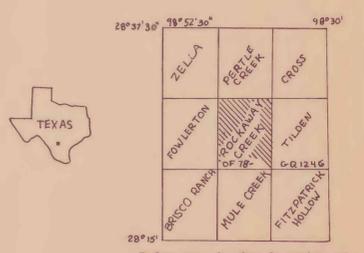
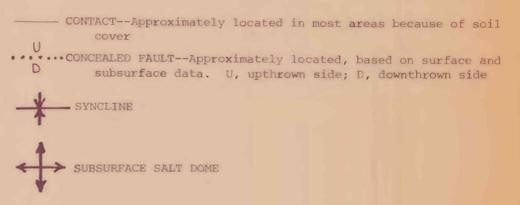


- DESCRIPTION OF MAP UNITS**
- Qal ALLUVIUM (HOLOCENE AND (OR) PLEISTOCENE)--Unconsolidated gravel, sand, clay, and soil along rivers and streams
  - Qte EOLIAN SAND (PLIESTOCENE)--Unconsolidated very fine grained well-sorted sand apparently derived from alluvium of Frio River
  - Qtl ALLUVIUM (PLEISTOCENE)--A lower terrace along Rockaway Creek and the Frio River consisting of unconsolidated gravel, sand, clay, and soil. About 7 m above stream level
  - Qth ALLUVIUM (PLEISTOCENE)--A higher terrace along Rockaway Creek and the Frio River consisting of unconsolidated gravel, sand, clay, and soil. About 20 m above stream level
  - Qgr RESIDUAL GRAVEL (PLEISTOCENE?)--A brown chert gravel as much as 0.6 m in thickness, present in scattered areas on Eocene bedrock
  - Tm MANNING FORMATION (EOCENE)--Light-gray to nearly white tuffaceous mudstone, containing abundant clinoptilolite, some opal and montmorillonite, and interbeds of coal and fine-grained sandstone. About 110 m thick
  - Tms Light-gray to light yellowish-brown fine-grained moderately well sorted feldspathic marine sandstone containing *Ophiomorpha* burrows. About 3 m thick
  - Twb WELLBORN SANDSTONE (EOCENE)--Light-brown fine-grained tuffaceous very fine grained marine beach sandstone containing *Ophiomorpha* burrows. About 7 m thick
  - Tca CADDELL FORMATION (EOCENE)--Light-brown and light-gray irregularly laminated mudstone containing caliche, fibrous gypsum, and a coal interbed. About 9 m thick
  - Ty YEGUA FORMATION (EOCENE)--Light-gray sandstone and mudstone poorly exposed. Queried where identification is uncertain



Base from U.S. Geological Survey, 1969

Geology mapped in 1974

**GEOLOGIC MAP OF THE ROCKAWAY CREEK QUADRANGLE, MC MULLEN COUNTY, TEXAS**

By  
KENDELL A. DICKINSON  
1978