U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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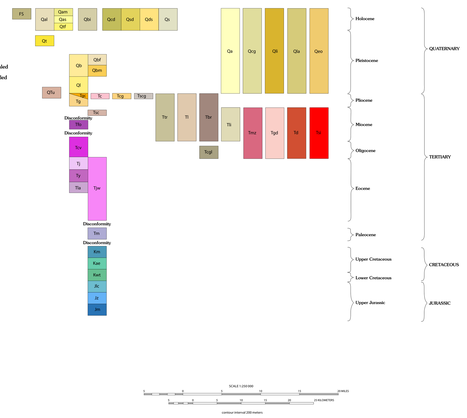
LIST OF MAP UNITS

- Water
- Af Artificial fill and spoil (modern)
- Qal Holocene alluvium, undivided
- Qam Muddy flood-plain alluvium (Holocene)
- Qas Silty and sandy flood-plain alluvium (Holocene)
- Qtf Tidal flat deposits (Holocene)
- Qbi Barrier island deposits (Holocene)
- Qsd Clay dune and clay to sand dune deposits (Holocene)
- Qdd Active dunes on mainland (Holocene)
- Qds Stabilized sand dunes (Holocene)
- Qs Sand sheet deposits (Holocene)
- Qt Terrace deposits (Pleistocene)
- Qb Beaumont Formation, undivided (Pleistocene)
- Qbf Beaumont Formation, flood-plain deposits (Pleistocene)
- Qbm Beaumont Formation, clay and mud (Pleistocene)
- Ql Lissie Formation (Pleistocene)
- Qa Quaternary alluvium, undivided
- Qcg Quaternary conglomerate
- Qli Littoral deposits (Quaternary)
- Qls Coastal lacustrine deposits (Quaternary)
- Qeo Eolian deposits (Quaternary)
- QTu Uvalde Gravel (Pleistocene or Pliocene)
- Tg Goliad Formation, undivided (Pliocene)
- Tgc Goliad Formation, caliche (Pliocene)
- Tc Caliche (Pliocene)
- Tcg Pliocene conglomerate
- Tscg Pliocene sandstone and conglomerate
- Tv Tertiary travertine (Pliocene and Miocene)
- Tl Tertiary limestone (Pliocene and Miocene)
- Tbr Tertiary breccia (Pliocene and Miocene)
- Tls Miocene limestone
- Tsc Miocene sandstone and conglomerate
- Tfm Fleming Formation and Oakville Sandstone, undivided (Miocene)
- Tcv Catahoula (Miocene and Oligocene) and Frio and Vicksburg (Oligocene) Formations, undivided
- Tmz Monzonite (Miocene and Oligocene)
- Tgd Granodiorite (Miocene and Oligocene)
- Tdi Diorite (Miocene and Oligocene)
- Tsy Syenite (Miocene and Oligocene)
- Tcgl Oligocene conglomerate
- Tj Jackson Group (Eocene)
- Tjw Jackson, Claiborne, and Wilcox Groups, undivided (Eocene)
- Ty Yegua Formation, Claiborne Group (Eocene)
- Tlr Laredo Formation, Claiborne Group (Eocene)
- Tm Midway Group, undivided (Paleocene)
- Kmv Mendez Shale (Upper Cretaceous)
- KaE Austin and Eagle Ford Formations, undivided (Upper Cretaceous)
- KwE Washita Group (Upper and Lower Cretaceous), Kiamichi Formation, Aurora Limestone, La Pena, Cupido, and Tamaulipas Formations, undivided (Lower Cretaceous)
- JKc La Casita Group (Upper Jurassic)
- JZ Zuloaga Group (Upper Jurassic)
- Jtm Minas Viejas Formation (Upper Jurassic)

Index map showing location of study area.

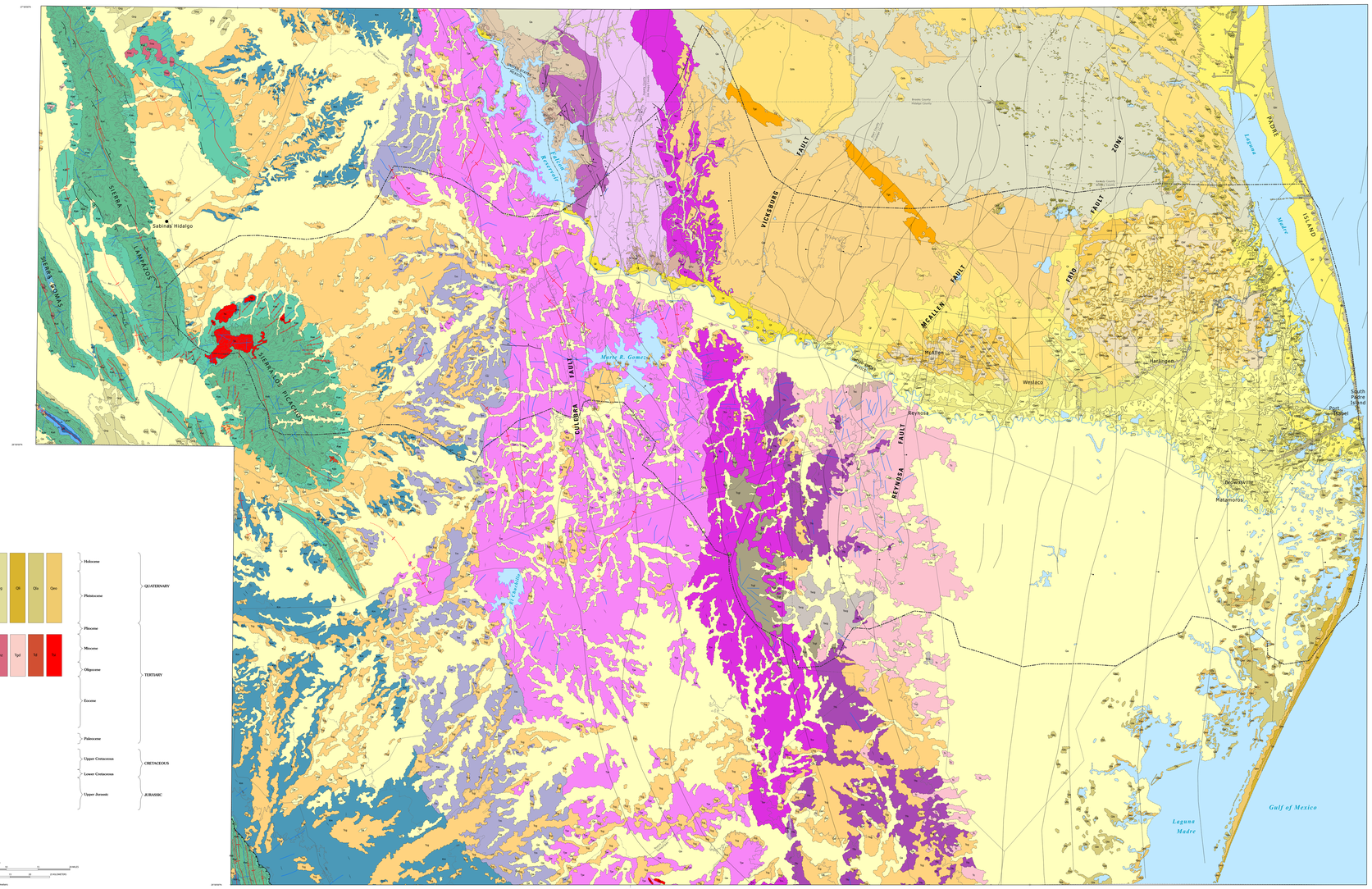
CORRELATION OF MAP UNITS



EXPLANATION

- Anticline - dashed where approximately located; dotted where concealed
- Recumbent anticline - dashed where approximately located; dotted where concealed
- Recumbent syncline - dashed where approximately located; dotted where concealed
- Syncline - dashed where approximately located; dotted where concealed
- Dike
- Fracture
- Normal fault - bar and ball on downthrown side; dashed where inferred
- Reverse fault - sawteeth on upthrown side
- Study area boundary
- Growth fault - bar and ball on downthrown side; all faults concealed
- Contact - approximately located
- Inclined bedding - showing strike; dip amount from 10 to 80 degrees

SCALE 1:250 000
KILOMETERS
CONTOUR INTERVAL 200 Meters



GEOLOGIC MAP OF SOUTHERNMOST TEXAS, UNITED STATES, AND PARTS OF TAMAULIPAS AND NUEVO LEON, MEXICO: ENVIRONMENTAL HEALTH INVESTIGATIONS IN THE UNITED STATES-MEXICO BORDER REGION

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