GEOLOGIC MAP OF THE MURPHY SCHOOL QUADRANGLE, TEXAS

BUREAU OF ECONOMIC GEOLOGY OPEN-FILE MAP

1998

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MURPHY SCHOOL QUADRANGLE
TEXAS—MEDINA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

6142 I NW (MUSTANG VALLEY)
6142 I NE (QUIHI)
6242 IV NW (ROMEDINA)
(YANCEY) 6142 II NW
(BIRY) 6142 II NE
6142 I SW (HONDO)
(CASTROVILLE) 6242 IV SW
DEVINE 6242 III NW

99° 07′ 30″ — 99° 00′ — 29° 22′ 30″ — 29° 20′ — 29° 17′ 30″ — 29° 15′

1 990 000 FEET — 560 000 FEET — 520 000 FEET — 1 970 000 FEET

489000m E. — 499000m E. — 3249000m N. — 3236000m N.

BANDERA 26 MI. — QUIHI 4 MI. — SABINAL 22 MI. — HONDO 1 MI. — CASTROVILLE 7 MI. — SAN ANTONIO 50 MI. — DEVINE 12 MI.

Qt — Qle — Qal — QTu — Kes — PAm + Kes — PAEw + PAm — Qt + Qle — U D

Hondo Creek — Quihi Creek — Verde Creek — Live Oak Creek — Elm Slough — Willow Hondo Creek

SOUTHERN PACIFIC — PIPELINE

Hondo — Schmidt Hill — Roadside Park — Drill Holes — Oil Wells — Murphy — Substation — Gravel Pit — Well — Wells — Cem — Ford — BM — INDEF BDY

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1968. Field checked 1970

Polyconic projection. 10,000-foot grid ticks based on Texas coordinate system, south central zone. 1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 21 meters south and 31 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence lines

Revisions shown in purple and woodland compiled from aerial photographs taken 1979 and other sources
This information not field checked. Map edited 1982

GN — MN — 0° 02′ 1 MIL — 8° 142 MILS

UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Geology by E. W. Collins

1998

TEXAS
QUADRANGLE LOCATION

Part of the geology modified from Holt (1959).

ROAD CLASSIFICATION

Primary highway, hard surface — Light-duty road, hard or improved surface
Secondary highway, hard surface — Unimproved road
Interstate Route — U. S. Route — State Route

MURPHY SCHOOL, TEX.
N2915—W9900/7.5

1970
PHOTOREVISED 1982
DMA 6142 I SE—SERIES V882

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982

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