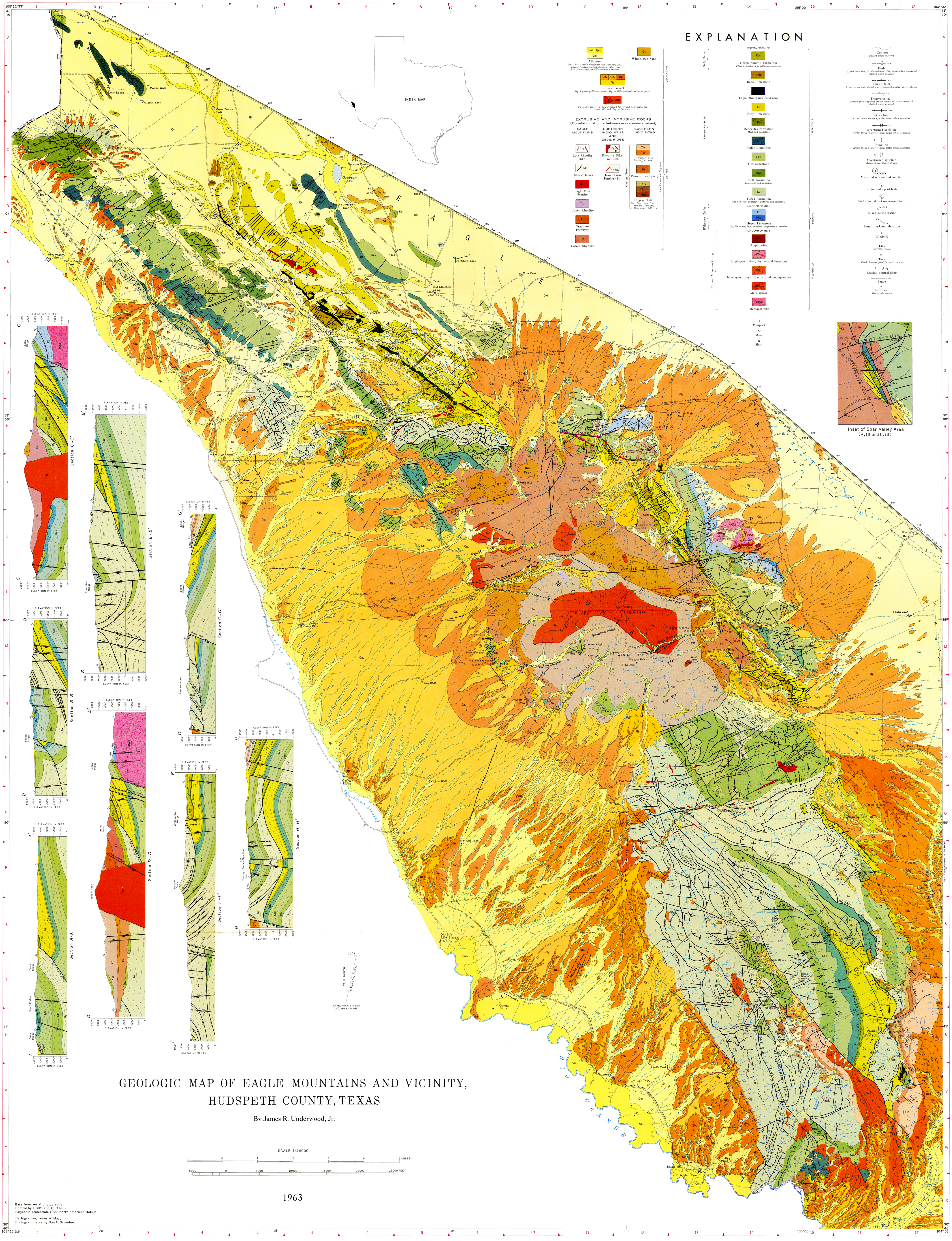
THE UNIVERSITY OF TEXAS
BUREAU OF ECONOMIC GEOLOGY
PETER T. FLAWN, DIRECTOR

QUADRANGLE MAP NO. 26
EAGLE MOUNTAINS
TEXAS



Inset of Spar Valley Area
(K,13 and L,13)

EXPLANATION

QUATERNARY

Qal₁ Qal₂ Qal
Alluvium
Qal₂, Rio Grande floodplain and channel; Qal₁, present floodplains and channels, other than Rio Grande; Qal, undifferentiated alluvium

Qs
Windblown Sand

Qg₁ Qg₂ Qg₃ Qg
Terrace Gravel
Qg₃, highest pediment gravel; Qg, undifferentiated pediment gravel

QTg QTb
QTg, older gravel; QTb, widespread fill; gravel near highlands; sand, silt, and clay in lowlands

TERTIARY

EXTRUSIVE AND INTRUSIVE ROCKS
(Correlation of units between areas undetermined)

EAGLE MOUNTAINS	NORTHERN INDIO MTNS AND DEVIL RIDGE	SOUTHERN INDIO MTNS
Trd Late Rhyolite Dikes	Tr Rhyolite Dikes and Sills	Ttr / Ttu *Ttr, trachyte with Ttu, tuff at base*
Tdd Diabase Dikes	Tqlp Quartz Latite Porphyry Sill	Tp Pantera Trachyte
Tep Eagle Peak Syenite		Thtu / Thtr / Thtl Hogeye Tuff *Thtl, lower tuff; Thtr, middle trachyte; Thtu, upper tuff*
Tur Upper Rhyolite		
Tt Trachyte Porphyry		
Tlr Lower Rhyolite		

Garren Group
Late Eocene and Oligocene

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CRETACEOUS

Gulf Series

Kcs
Chispa Summit Formation
Flaggy limestone and siltstone, sandstone

Comanche Series

Kbu
Buda Limestone

Eagle Mountains Sandstone

Ke
Espy Limestone

Kb
Benevides Formation
Marl and sandstone

Kf
Finlay Limestone

Kcx
Cox Sandstone

Kbl
Bluff Formation
Limestone and sandstone

Ky
Yucca Formation
Conglomerate, sandstone, siltstone and limestone

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PERMIAN

Wolfcamp Series

Ph / Php
Hueco Limestone
Ph, limestone; Php, Powwow Conglomerate Member

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PRECAMBRIAN

Carrizo Mountain Group

p€Ca
Amphibolite

p€Cm₂
Interlayered slate, phyllite and limestone

p€Cm₁
Interlayered phyllite, schist and metaquartzite

p€Cma
Meta-arkose

p€Cq
Metaquartzite

Contact
Dashed where inferred

Fault
U, upthrown side; D, downthrown side; dotted where concealed, dashed where inferred

Thrust fault
T, overthrust side; dotted where concealed, dashed where inferred

Transverse fault
Arrows show apparent movement; dotted where concealed, dashed where inferred

Anticline
Arrow shows plunge of axis; dotted where concealed

Overturned anticline
Arrow shows plunge of axis; dotted where concealed

Syncline
Arrow shows plunge of axis; dotted where concealed

Overturned syncline
Arrow shows plunge of axis

③
Measured section and number

56
Strike and dip of beds

63
Strike and dip of overturned beds

Eagle 2
Triangulation station

BM 4710
Bench mark and elevation

Windmill

Tank
Concrete or metal

Tank
Earth-dammed pond for water storage

Erosion control dams

Fence

Water well
Dry or abandoned

Prospect

Mine

Shaft

GEOLOGIC MAP OF EAGLE MOUNTAINS AND VICINITY, HUDSPETH COUNTY, TEXAS

By James R. Underwood, Jr.

SCALE 1:48000

1 0 1 2 3 4 5 MILES

5000 0 5000 10000 15000 20000 25000 FEET

1963

Base from aerial photographs
Control by USGS and USC&GS
Polyconic projection, 1927 North American Datum

Cartographer, James W. Macon
Photogrammetry by Dan F. Scranton