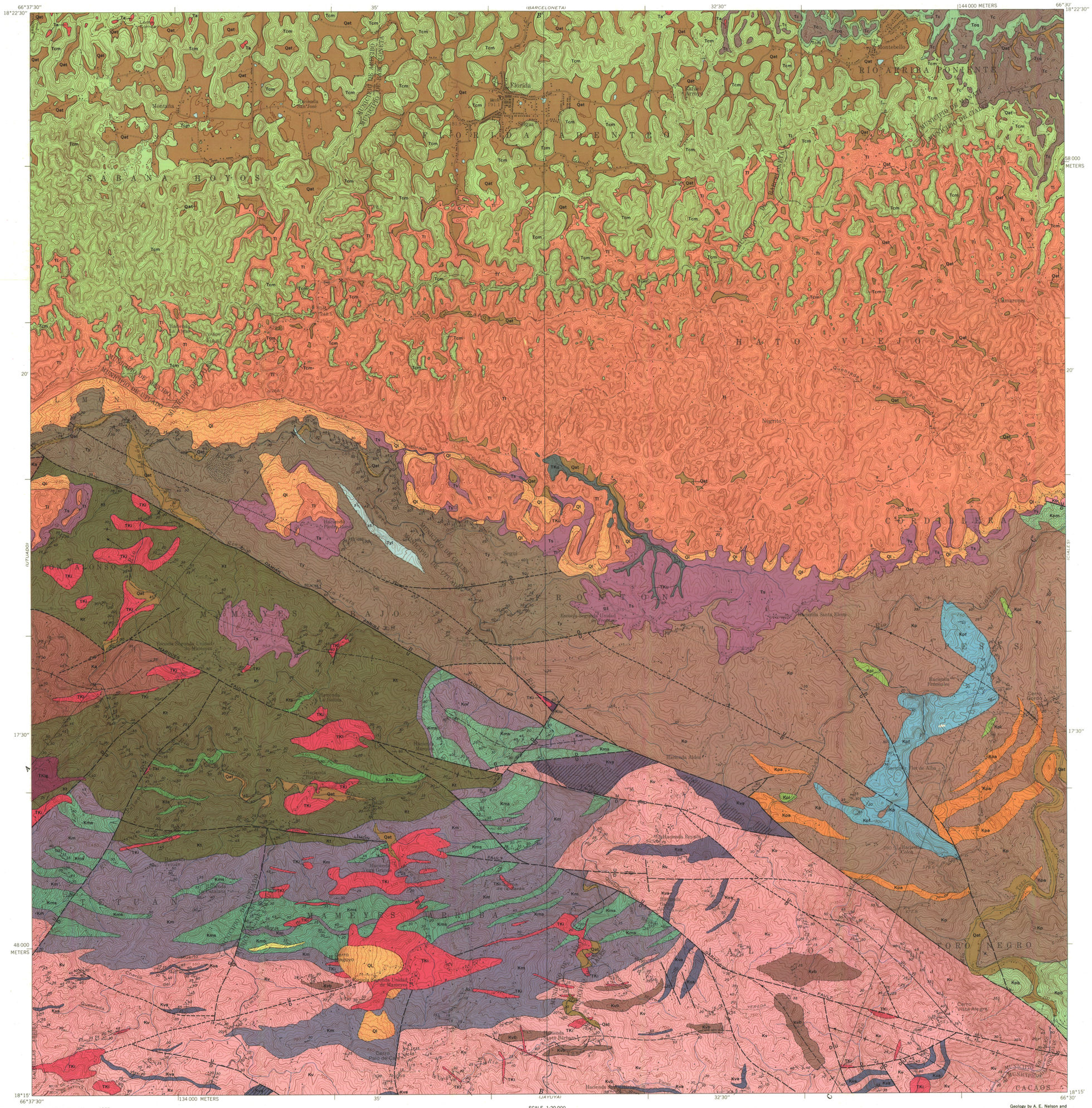
PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF PUERTO RICO
ECONOMIC DEVELOPMENT ADMINISTRATION
INDUSTRIAL RESEARCH DEPARTMENT



EXPLANATION

QUATERNARY

Pleistocene(?) and Recent

Qat — Alluvium and terrace deposits and blanket sand deposits

Ql — Landslide deposits

UNCONFORMITY

TERTIARY

Miocene

Ta — Aguada Limestone

Oligocene and Miocene

Tc, Tcq, Tcm — Cibao Formation
Tc, *marl members*
Tcm, *Montebello Limestone Member**
Tcq, *Quebrada Arenas Limestone Member*

Oligocene

Tl — Lares Limestone

Ts — San Sebastián Formation
Mostly pale-red clay; contains abundant pebbles of volcanic rocks locally

UNCONFORMITY

Upper Paleocene to Middle Eocene

Tyl, Ty — Yunes Formation*
Mostly pale-green to brownish-green vitric tuff and well-bedded volcanic sandstone and siltstone
Tyl, *limestone lens*

TKu — Undivided Yunes and Pozas Formations as small inliers in Lares Limestone

TKi, TKig — Intrusive rocks
TKi, *diorite to gabbro*
TKig, *granodiorite*

BREAK IN SEQUENCE

Upper Cretaceous

Kpf, Kpl, Kpa, Kp, Kpb, Kpm — Pozas Formation
Mostly grayish volcanic breccia and some conglomerate, volcanic sandstone, siltstone, and crystal tuff
Kpl, *limestone*
Kpf, *Flor de Alba Limestone Lentil**
Kpa, *lava flows*
Kpb, *Blacho Tuff Member*
Kpm, *Minguillo Lava Member*

BREAK IN SEQUENCE

Ka — Alonso Formation*
Mixed sequence of brownish-red welded tuff, tuff, volcanic breccia, and lava

Kt, Kta — Tetuán Formation*
Principally pyroxene-bearing greenish-gray tuff
Kta, *andesite flow*

Lower(?) and Upper Cretaceous

Kmb, Km, Kms — Mameyes Formation*
Andesite lava, contains some beds of volcanic sandstone and siltstone
Kms, *sedimentary clastic rocks*
Kmb, *volcanic breccia and lapilli tuff*

Klu — Andesite lava
Undivided

Kvb, Kv, Kva — Vista Alegre Formation*
Mostly pyroxene-bearing dark-green volcanic sandstone and some dark-bluish-gray volcanic siltstone
Kva, *andesite lava flows; lined pattern indicates area of basalt flows*
Kvb, *volcanic breccia and lapilli tuff*

Ko — Río Orocovis Formation
Largely andesite lava and minor amounts of volcanic sandstone and lapilli tuff

* New stratigraphic name

Contact
Long dashed where approximately located; short dashed where inferred

Fault
Long-dashed where approximately located; short-dashed where inferred; dotted where concealed. Arrows show relative horizontal movement. U, upthrown side; D, downthrown side; in section: T, toward observer; A, away from observer

Anticline
Showing crestline and direction of plunge. Long dashed where approximately located; short dashed where inferred; dotted where concealed

Syncline
Showing troughline and direction of plunge. Long dashed where approximately located; short dashed where inferred

Inclined 40 — Vertical — Horizontal
Strike and dip of beds

Inclined 25 — Vertical
Strike and dip of fractures

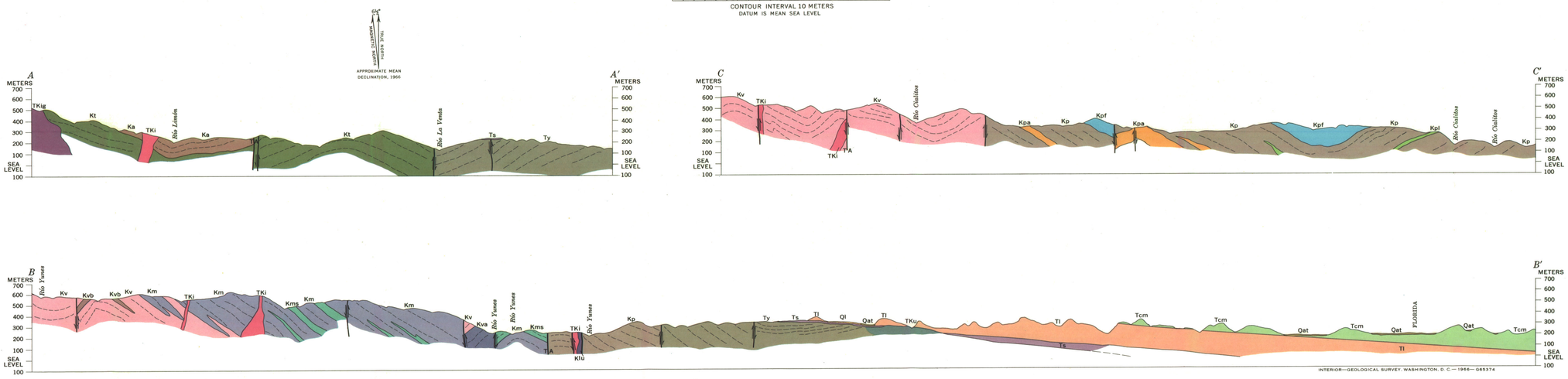
30
Strike and dip of layering in welded tuff

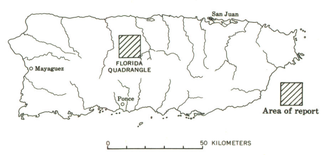
Strike of vertical fracture cleavage

Barite vein

Quarry

Area of hydrothermal alteration





INDEX MAP OF PUERTO RICO

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1966—G65374

GEOLOGIC MAP AND SECTIONS OF THE FLORIDA QUADRANGLE, PUERTO RICO