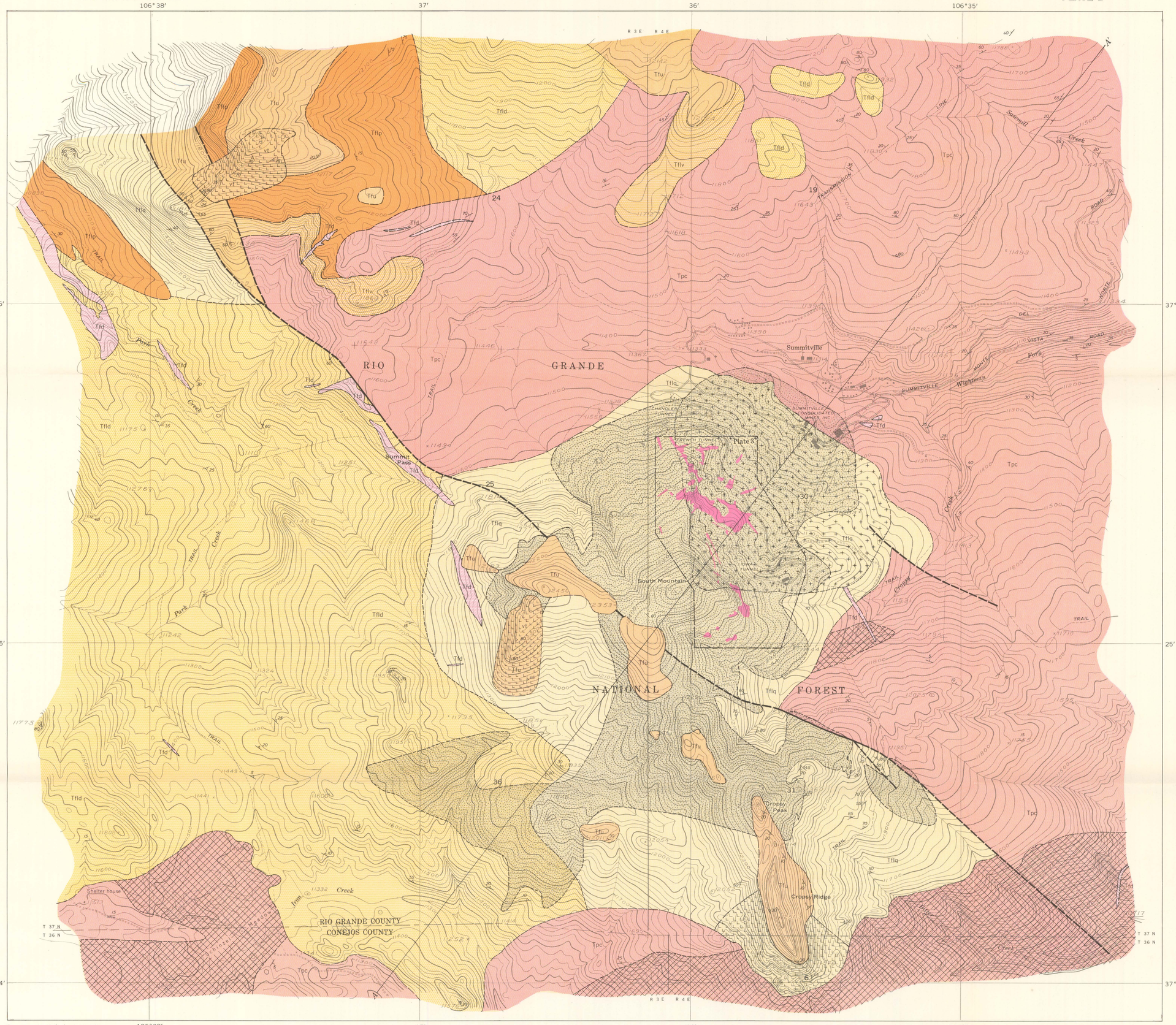


Base map by U. S. Geological Survey, 1936. Modified 1959

Geology by T. A. Steven, assisted by J. C. MacLachlan, 1952, and J. C. Ratté, 1953

EXPLANATION

TERTIARY

Middle or upper Tertiary

Fisher quartz latite

Upper member

Quartz latite flows and volcanic vents, vt

UNCONFORMITY

Lower member

Quartz latitic lava

Massive quartz latite flows. Crosses indicate area where large sanidine phenocrysts are abundant throughout and the rock closely resembles the quartz latite dike rocks, Tfd. *The massive lavas are cut by a local vent complex,* vt

Rhyodacitic lava

Massive rhyodacite flows, Tfld, *in places interleaved with pyroclastic rocks,* Tflp, *and locally underlain by a rhyodacitic vitrophyre flow,* Tflv

UNCONFORMITY

Conejos formation

Dark porphyritic flows and sparse pyroclastic beds

Quartz latite dike rocks

Commonly bleached and altered

ALTERED ROCKS

Rocks altered during the Fisher period of volcanism

Highly silicified rocks of quartz-alunite zone

Shown on map only within area covered by plate 3
These constitute the veins in the district

Rocks altered during the Conejos period of volcanism

Contact
Dashed where approximately located

Indefinite and gradational contact

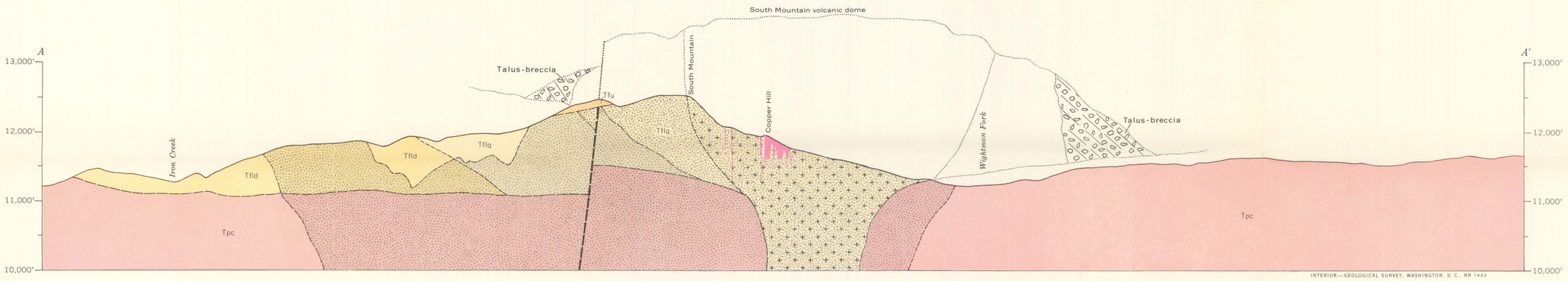
Fault, showing dip
Dashed where approximately located

Strike and dip of lava flow or pyroclastic bed

Strike and dip of flow layer

Strike of vertical flow layer

TRUE NORTH
MAGNETIC NORTH
14°
APPROXIMATE MEAN DECLINATION, 1960



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—MR 1443

GEOLOGIC MAP OF THE SUMMITVILLE DISTRICT, COLORADO, AND SECTION SHOWING THE RESTORED SOUTH MOUNTAIN VOLCANIC DOME

SCALE 1:12 000

1000 0 1000 2000 3000 4000 5000 FEET

CONTOUR INTERVAL 25 FEET
DATUM IS MEAN SEA LEVEL