UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TRACE ELEMENTS INVESTIGATIONS
REPORT 255

106° 30' 38° 45'

106° 15' 38° 45'

TINCUP
0.2 mile

TIN CUP FAULT

GUNNISON CO
CHAFFEE CO

TINCUP DISTRICT

Bon Ton mine

QUARTZ CREEK DISTRICT

CONTINENTAL DIVIDE

Halls Gulch

Silent Friend mine

PITKIN
1 mile

ST. ELMO

CHALK CREEK DISTRICT

California mine

TOMICHI DISTRICT

WHITE PINE

MONARCH DISTRICT

GARFIELD

MONARCH

Madonna mine

DIVIDE

CHAFFEE CO
GUNNISON CO

40'

35'

38° 30' 106° 30'

38° 30 106° 15'

EXPLANATION

Tp — Tertiary batholith (*Princeton quartz monzonite*)

Ts — Tertiary stocks, chonoliths, sills, and volcanic breccia (*Includes rocks both older and younger than the batholith*)

Ms — Mesozoic sedimentary rocks

Ps — Paleozoic sedimentary rocks

p€g — Pre-Cambrian granite, gneiss, schist, and diorite

Pyritic quartz veins, commonly with silver-lead-zinc minerals

Quartz-hubnerite-molybdenite veins

Quartz-fluorite veins, commonly with minor sulfides

Quartz-beryl-pyrite veins

Contact

Major faults

Mine or prospect showing no anomalous radioactivity

Mine showing anomalous radioactivity

PLATE I. GENERALIZED GEOLOGIC MAP, GARFIELD QUADRANGLE, CHAFFEE AND GUNNISON COUNTIES, COLORADO, SHOWING MINES AND PROSPECTS EXAMINED FOR RADIOACTIVITY

1 0 1 2 3 4 Miles