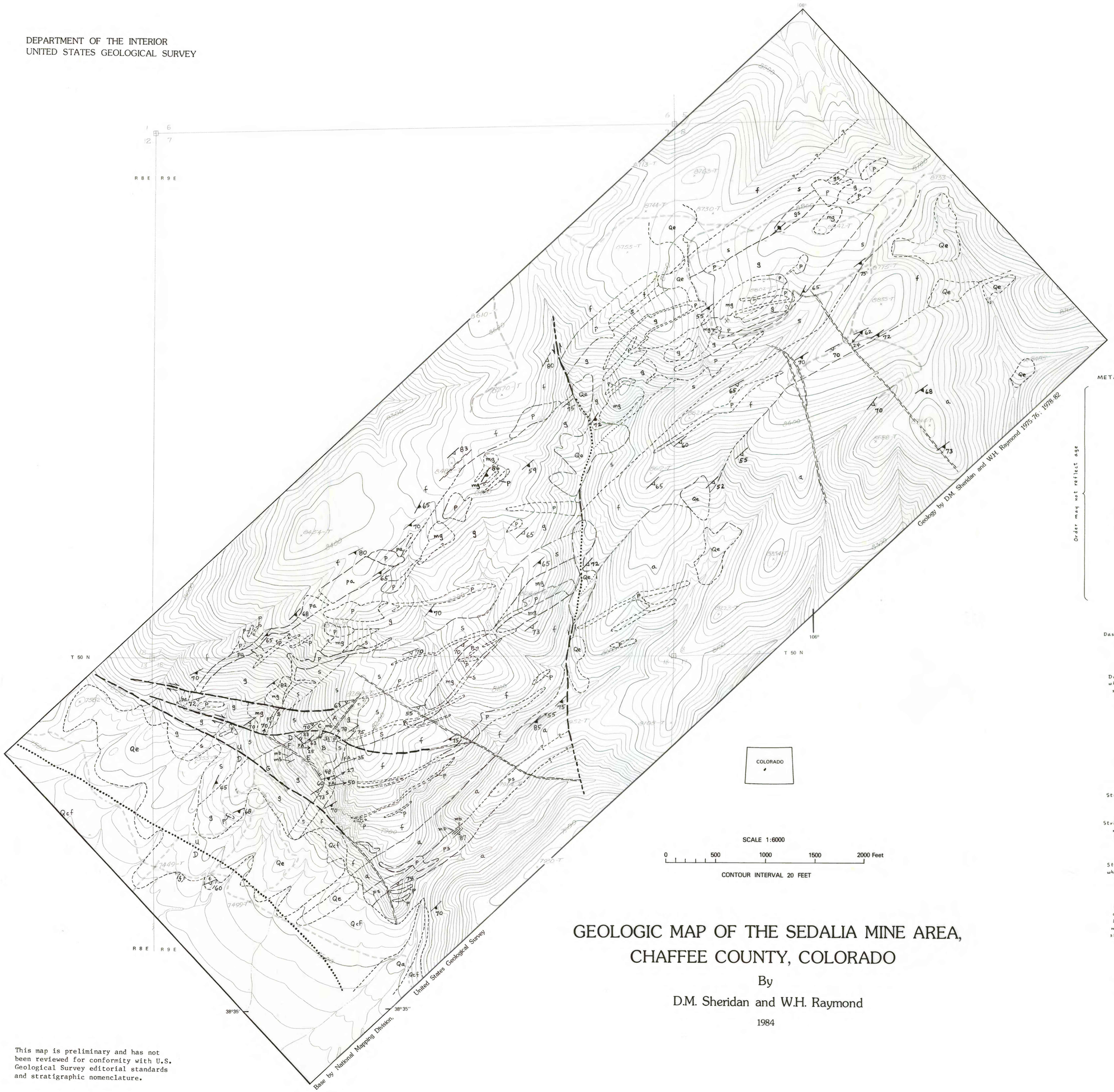

SCALE 1:6000

0 500 1000 1500 2000 Feet

CONTOUR INTERVAL 20 FEET

GEOLOGIC MAP OF THE SEDALIA MINE AREA, CHAFFEE COUNTY, COLORADO

By

D.M. Sheridan and W.H. Raymond

1984

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

EXPLANATION

QUATERNARY

Qcf | Qe | Qa

Unconsolidated deposits of Quaternary age

Qa – Alluvium
Qe – Eolian sand
Qcf – Colluvium and fan alluvium, undivided

ANGULAR UNCONFORMITY

EARLY PROTEROZOIC

P — Pegmatite

METAMORPHOSED INTRUSIVE ROCKS

/–mb — Metabasalt

mg — Metagabbro

pa — Pistachio-colored amphibolite

METAMORPHOSED SEDIMENTARY AND VOLCANIC ROCKS

Order may not reflect age

ps — Porphyroblastic schist

a — Amphibolite

s — Quartz-mica schist

g — Garnet-cordierite-amphibole gneiss, garnetiferous quartz-mica schist, and other interlayered rocks

gs — Gahnite-bearing quartz-mica schist

f — Feldspathic gneiss

Contact
Dashed where approximately located; short dashed where inferred; dotted where concealed

Fault, showing dip
Dashed where approximately located; short dashed where inferred; dotted where concealed; arrows show apparent direction of relative movement; D, downthrown; U, upthrown

Fracture zone, showing dip

Bearing and plunge of axis of minor fold (calculated from attitudes of limbs)

Inclined — Vertical
Strike and dip of foliation due to mineral parallelism

Strike and dip of compositional layering and foliation due to mineral parallelism; symbol used where foliation and layering are both recognizable and are parallel

Strike and dip of compositional layering; symbol used where compositional layering is transected by foliation due to mineral parallelism

Bearing and plunge of lineation; symbol may be combined with symbols for planar structural features. Lineations include subparallel alignment of elongate minerals, keels of elongate calc-silicate lenses, mineral streaking, and intersections of compositional layering and foliation due to mineral parallelism

Coexisting minor structural features; point of observation is at intersection of symbols

Adit — Shaft — Open pit mine

Principal workings in the Sedalia mine

A – No. 1 adit (200 Level)
B – Dewey adit (285 Level)
C – No. 2 adit (300 Level)
D – Florence No. 1 adit (370 Level)
E – Jackpot adit (385 Level)
F – Florence No. 2 adit (440 Level)
G – No. 3 adit (600 Level)