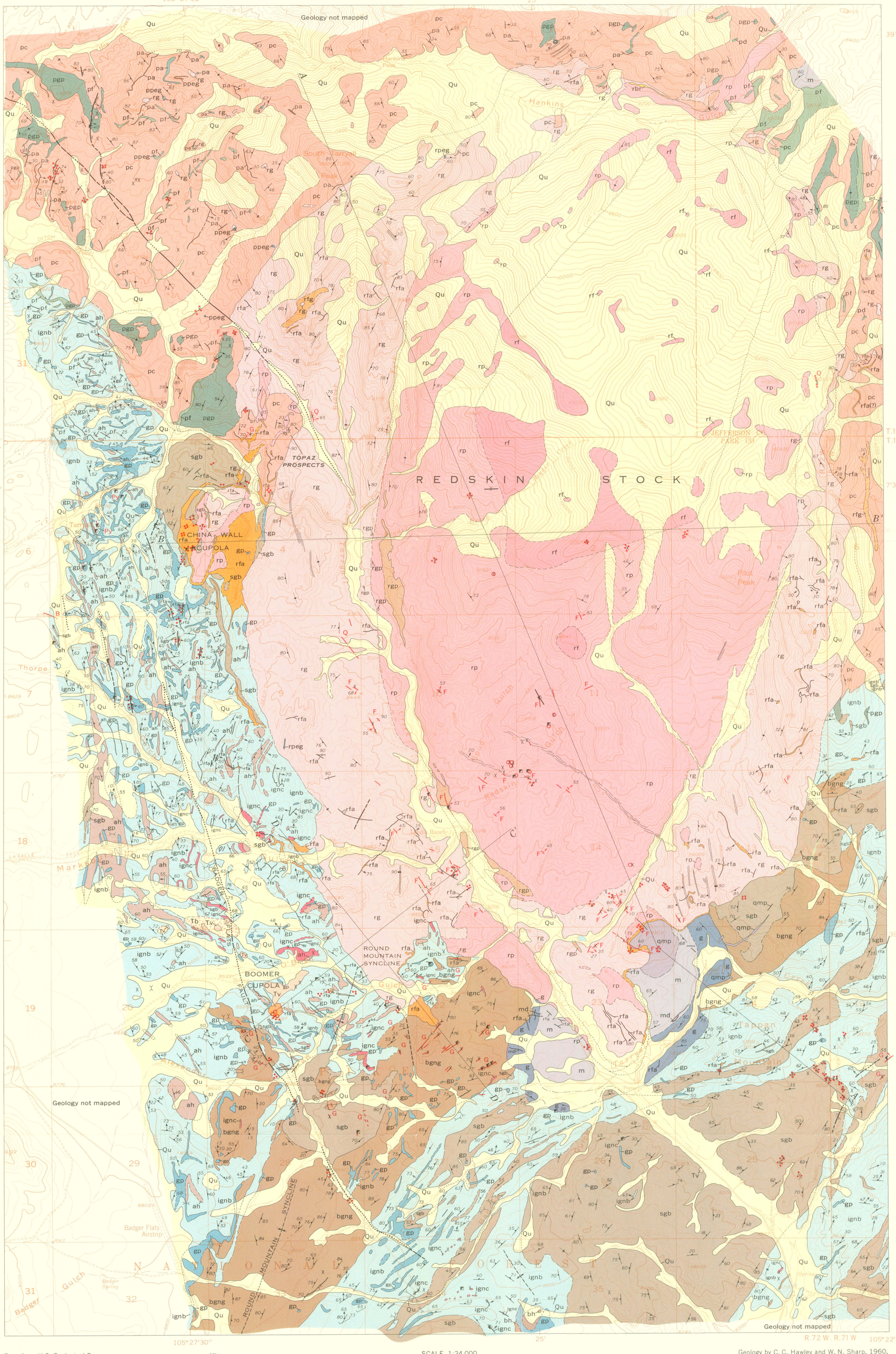


Base from U.S. Geological Survey
McCurdy Mountain and Tarryall, 1956

APPROXIMATE MEAN DECLINATION, 1969

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

Geology by C. C. Hawley and W. N. Sharp, 1960, and C. C. Hawley, 1961–64, assisted by R. H. Helming, 1963, and W. H. Raymond, 1964

EXPLANATION

QUATERNARY

Qu — Undifferentiated deposits
Mainly alluvium or colluvium

TERTIARY(?)

Tv — Welded tuff

Tb — Boulder deposits
Locally below welded tuff and on the uplands

PRECAMBRIAN

Redskin Granite

rf, *fine-grained facies: nearly equigranular fine-grained granite; forms central zone of Redskin stock*
rfa, *granite-aplite: fine-grained granite and aplite; forms Boomer cupola, outer zone of China Wall cupola, and, locally, borders on Redskin stock; forms dikes; contains beryllium deposits*
rpeg, *pegmatite*
rgp, *fine-grained porphyritic granite*
rp, *porphyritic facies: medium-grained seriate porphyritic granite; forms intermediate zones of Redskin stock and China Wall cupola; contains beryllium deposits in the Redskin stock*
rfg, *fine- to medium-grained equigranular granite*
rg, *granular facies: medium-grained equigranular granite; forms outer zone of Redskin stock and inner zone of China Wall cupola*
rbr, *breccia of dark biotitic granite* (pd?), *in matrix of Redskin Granite*

Pikes Peak Granite

pa, *aplite*
ppeg, *pegmatite*
pf, *fine-grained granite generally associated with porphyritic granite*
pgp, *porphyritic granite*
pd, *dark biotitic fine-grained granite. Relations with units* pa, ppeg, pgp, *and* pf *are uncertain*
pc, *coarse-grained facies: coarse-grained inequigranular pink to pale-gray granite; forms most of the Tarryall Mountains batholith near the Lake George beryllium area*

Monzonite and gabbro

qmp, *porphyritic quartz monzonite*
m, *monzonite and quartz monzonite*
md, *monzonitic dike rocks*
g, *gabbro*

Pegmatite
Includes all pegmatite of pre-Pikes Peak age

Silver Plume(?) Granite

Relative age uncertain

Boulder Creek(?) Granodiorite

Amphibolite and hornblendite

ah, *amphibolite and hornblendite*
bh, *biotite hornblendite*

Idaho Springs Formation

ignc, *calc-silicate gneiss and quartzite*
ignb, *dominantly biotite gneiss*

Contact, showing dip
Dashed where approximately located; short dashed where inferred or gradational; dotted where concealed

Contact, located by ground magnetic survey

Fault or barren vein, showing dip
Dashed where approximately located; short dashed where inferred; dotted where concealed

Shear zone, showing dip
Dotted where concealed

Dike, showing dip

Syncline
Showing approximate position of troughline. Dashed where inferred; dotted where concealed

PLANAR AND LINEAR FEATURES
Symbols may be combined

Tight fold, showing plunge — Drag fold, showing plunge

Inclined — Vertical
Strike and dip of foliation

Strike and dip of cleavage

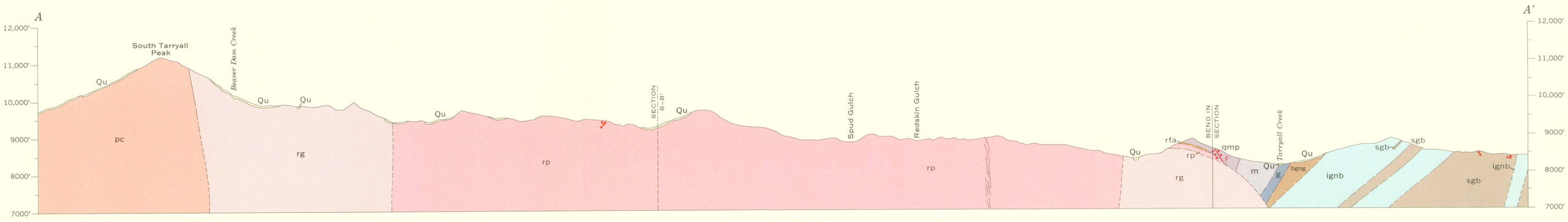
Inclined — Horizontal
Direction and plunge of lineation

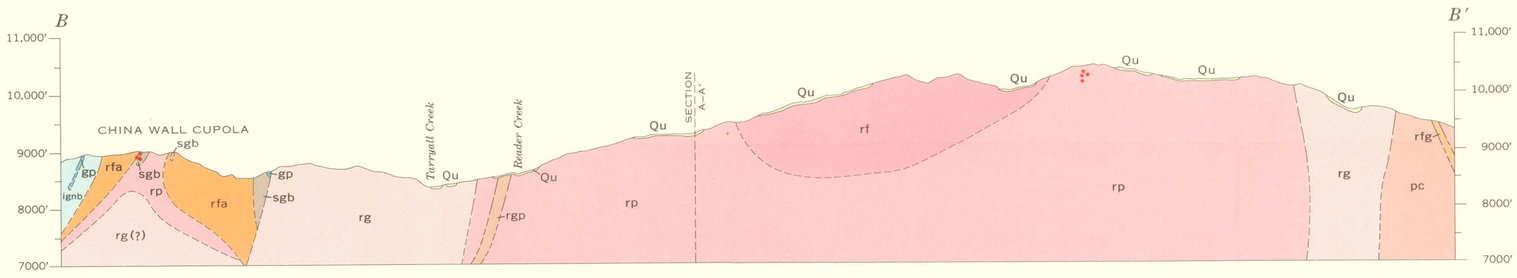
Closely spaced joints, showing dip
Not shown on sections

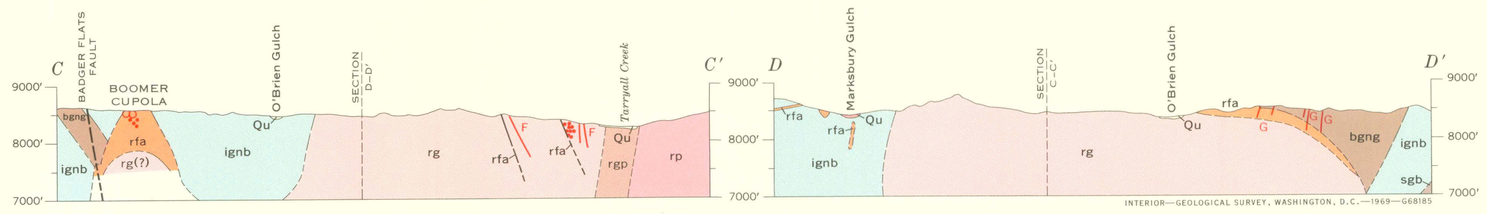
Vein, showing dip
Dotted where concealed
G, *vein with greisen walls; locally contains beryllium minerals*
F, *fluorite vein*
Q, *quartz vein*
B, *barite vein*
Py, *quartz-pyrite vein*

Disseminated greisen — Greisen pipe

Shaft — Adit or incline — Prospect — Trench







INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1969—G68185

GEOLOGIC MAP AND SECTIONS OF THE LAKE GEORGE (OR BADGER FLATS) BERYLLIUM AREA PARK AND JEFFERSON COUNTIES, COLORADO