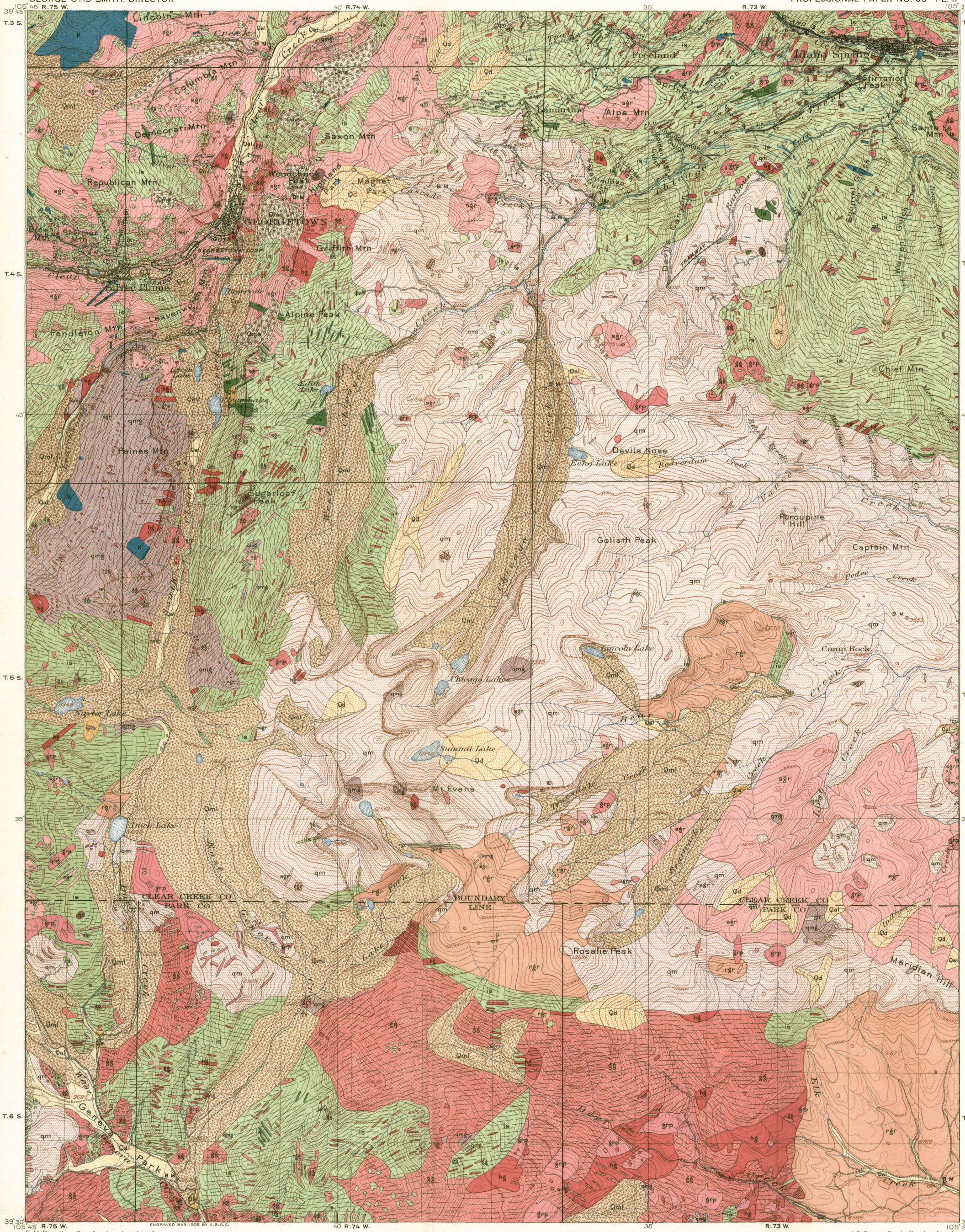
GEOLOGIC MAP OF GEORGETOWN QUADRANGLE, COLORADO



LEGEND

SEDIMENTARY ROCKS

QUATERNARY

Recent

- **Qal** — Alluvium *(in flood plains of present streams)*
- **Qls** — Landslides
- **Qd** — High basin débris sheets *(sheets of débris deposited in late Pleistocene time in pre-glacial stream valley heads)*
- **Qgr** — Overwash gravels *(valley trains of later glacial epoch)*

Pleistocene

- **Qml** — Moraines of later glacial epoch
- Limit of glaciers of later glacial epoch
- **Qme** — Moraines of earlier glacial epoch
- Known limit of glaciers of earlier glacial epoch
- **Qr** — River terraces *(25, 55, and 150-foot terraces of preglacial and interglacial age)*

PRE-CAMBRIAN

- **is** — Idaho Springs formation *(biotite-sillimanite schist, biotite schist, and quartz gneiss of sedimentary origin; wavy lines indicate general direction of schistose cleavage)*
- **ls** — Lime silicate member Idaho Springs formation *(metamorphosed limestones, pure and impure)*

IGNEOUS ROCKS

LATE CRETACEOUS

- **K** — Various porphyries *(for details see map Pl. XVII)*

PRE-CAMBRIAN

- **grp** — Granite-pegmatite and associated granites and granite porphyry *(biotite-muscovite-magnetite pegmatite and associated granite and granite-pegmatites)*
- **sgr** — Silver Plume granite *(biotite granite, often porphyritic)*
- **rgr** — Rosalie granite *(coarse pink biotite granite)*
- **qd** — Quartz-bearing diorite and associated hornblendite *(dark rocks of medium to fine grain)*
- **qm** — Quartz monzonite *(blue-gray rock of medium grain)*
- **gg** — Gneissoid granite *(light-colored medium-grained granite, usually gneissic)*
- **qmg** — Quartz monzonite gneiss *(medium to dark-gray fine-grained gneissic rock)*
- **hg** — Hornblende gneiss *(dark-gray fine-grained gneissic rocks; a masked dolerite)*

Area covered by Silver Plume special map (Pl. XXI) is inclosed in broken lines

E. M. Douglas, Geographer in charge.
Topography by Frank Tweedy.
Triangulation by H. L. Baldwin, Jr.
Surveyed in 1903.

ENGRAVED MAR. 1905 BY U.S.G.S.

J. E. Spurr, Geologist in charge.
Geology by Sydney H. Ball
assisted by Oscar H. Hershey.
Surveyed in 1904.

Scale 1/62500

1 ½ 0 1 2 3 4 miles

1 ½ 0 1 2 3 4 5 kilometers

Contour interval 100 feet.
Datum is mean sea level.

1906.