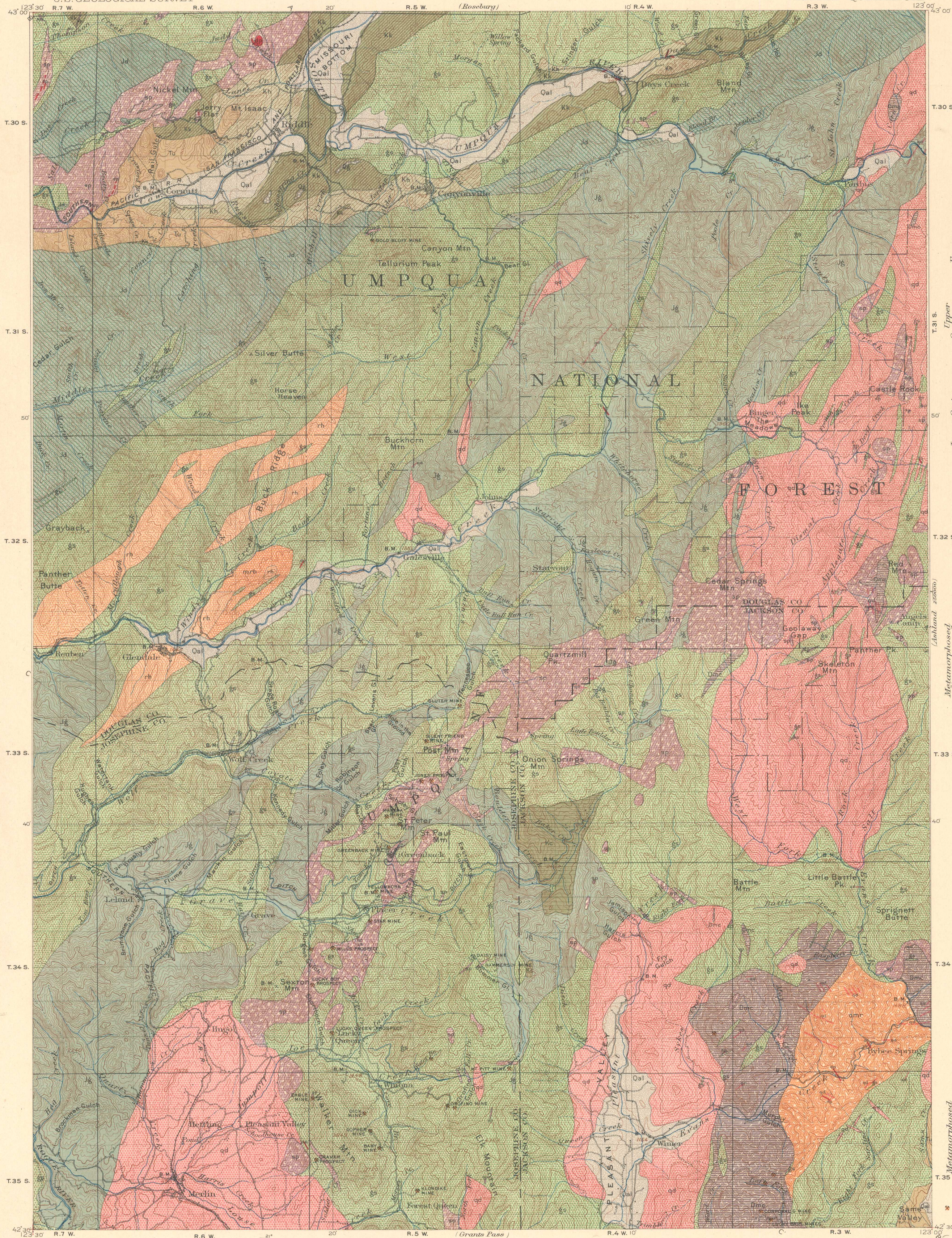




EXPLANATION

SEDIMENTARY ROCKS

(Areas of subsequent deposits are shown by patterns of parallel lines; subaerial deposits by patterns of dots and circles; metamorphism is indicated by hachures combined with the line patterns.)

Qal
Alluvium
(in flood plains of present streams)

Hg
High terrace gravels
(remnants of old stream gravels on high terraces and benches)

UNCONFORMITY

Tu
Umpqua formation
(chiefly thin bedded sandstone and shale with some conglomerate)

UNCONFORMITY

Kc
Chico formation
(chiefly sandstone with conglomerate and shale)

UNCONFORMITY

Kh
Horsetown formation
(chiefly gray shale and thin gray sandstones)

UNCONFORMITY

Kk
Knoxville formation
(chiefly sandstone and shale with some conglomerate at base)

UNCONFORMITY

Jd
Dothan formation
(chiefly hard sandstone containing a little conglomerate and some gray shale)

UNCONFORMITY ?

Jg
Galice formation
(chiefly fine grained dark slate with some sandstone and conglomerate)

UNCONFORMITY

Dmc
May Creek formation
(mica schist and slate)

IGNEOUS ROCKS

(Areas of igneous rocks are shown by patterns of triangles and rhombs; metamorphism is indicated by hachures.)

Tb
Basalt
(dikes)

dp
Dacite porphyry and related rocks
(includes masses and dikes)

qd
Quartz diorite, quartz-mica diorite, and related rocks
(large intrusive masses and dikes; quartz diorite in the greenstone north of South Umpqua River not separately mapped)

sp
Serpentine derived from and including some peridotite and saxonite
(intrusive masses)

gs
Greenstone, gabbro, and related rocks
(lava and intrusive rocks; greenstone north of South Umpqua River includes quartz diorite not separately mapped)

rh
Rhyolite
(includes some metarhyolite, rhyolite flows)

omr
Older metarhyolite
(lava flows associated with May Creek formation)

* Principal gold-lode mines and prospects in 1907

Route not shown on map.

Scale 1:25,000

Diagram of Township

Geology by J.S. Diller and G.F. Kay. Surveyed in 1905-1907.

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