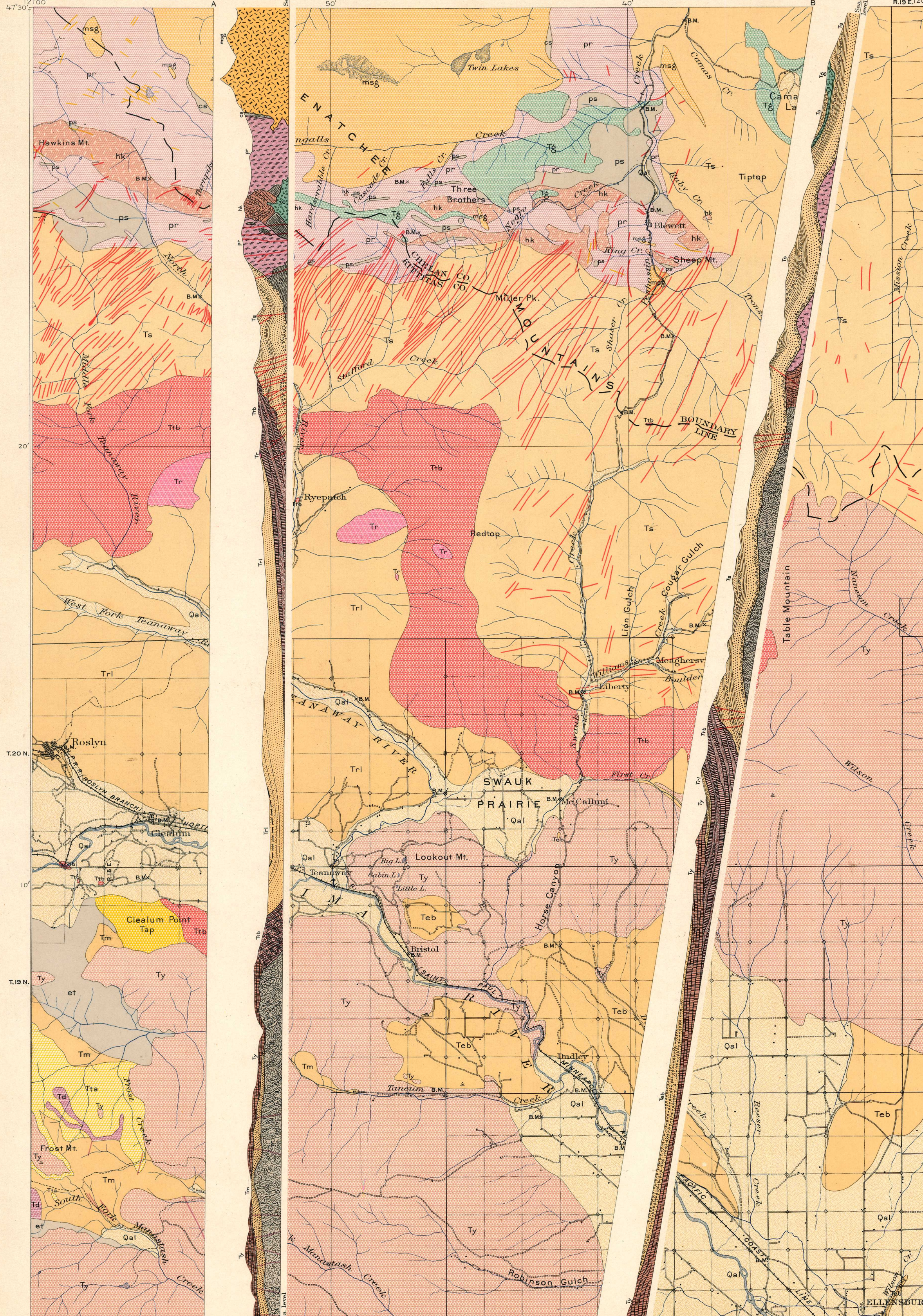


U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

STRUCTURE SECTIONS

WASHINGTON
MOUNT STUART QUADRANGLE



LEGEND

SEDIMENTARY ROCKS

SHEET SYMBOL SECTION SYMBOL

Qal
Alluvium
(fine silt and sand, with gravel near streams forming terraces)

Teb
Ellensburg formation
(fossiliferous deposits of stratified silt, sand, and gravel of recent material locally subsurface)

Tm
Mantash formation
(sandstone, conglomerate, and shale)

Trl
Roslyn formation
(sandstone and shale with beds of coal)

Ts
Swank formation
(sandstone, conglomerate, and shale)

cs
Contact schist
(sedimentary rock metamorphosed by intrusive granodiorite)

ps
Peshastin formation
(black slate and grit with beds of shales and lenses of limestone locally)

et
Easton schist
(quartzite schist with associated hornblende schist and epidote schist)

Tr
Rhyolite
(lava and associated tuff)

Ty
Yakima basalt
(extensive series of lava flows with tuff beds)

Td
Diabase
(intrusive bodies with associated dikes cutting Yakima basaltic concretion)

Tap
Andesite porphyry
(intrusive mass related to Eocene andesite)

Tra
Taneum andesite
(hypophenite andesite lava with beds of tuff and breccia)

Tg
Gabro
(intrusive bodies of gabbro in part silica bearing and in part quartz bearing)

Ttb
Teamanway basalt
(lava flows with tuff beds)

mag
Mount Stuart granodiorite
(bedrock of massive granodiorite with smaller masses of quartzite porphyry)

pr
Acid dikes
(granodiorite porphyry associated with Mount Stuart bedrock)

pr
Peridotite
(intrusive body, largely altered to serpentine)

hk
Hawkins formation
(diabase lava, tuff, and breccia)

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Faults

QUATERNARY

Miocene

Eocene

Metamorphic

Pliocene?

Miocene (pre-Ellensburg)

Eocene (pre-Roslyn)

Post-Carboniferous

Metamorphic

CARBONIFEROUS ? AND OLDER

PRE-TERTIARY

CARBONIFEROUS ?

R. U. Goode, Geographer in charge.
Triangulation by S.S. Gannett
Topography by G.E. Hyde.
Surveyed in 1896-97.

Scale 1:25000
1 2 3 4 Miles
1 2 3 4 Kilometers

Geology by Israel C. Russell, 1897;
George Otis Smith and G.C. Curtis, 1898;
George Otis Smith and W.C. Mendenhall, 1899.

Approximate Mean Declination 1900.
Edition of Jan. 1904.