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Draft Geologic Map of the Wimer and McConville Peak Quadrangles, Jackson and Josephine Counties, Oregon

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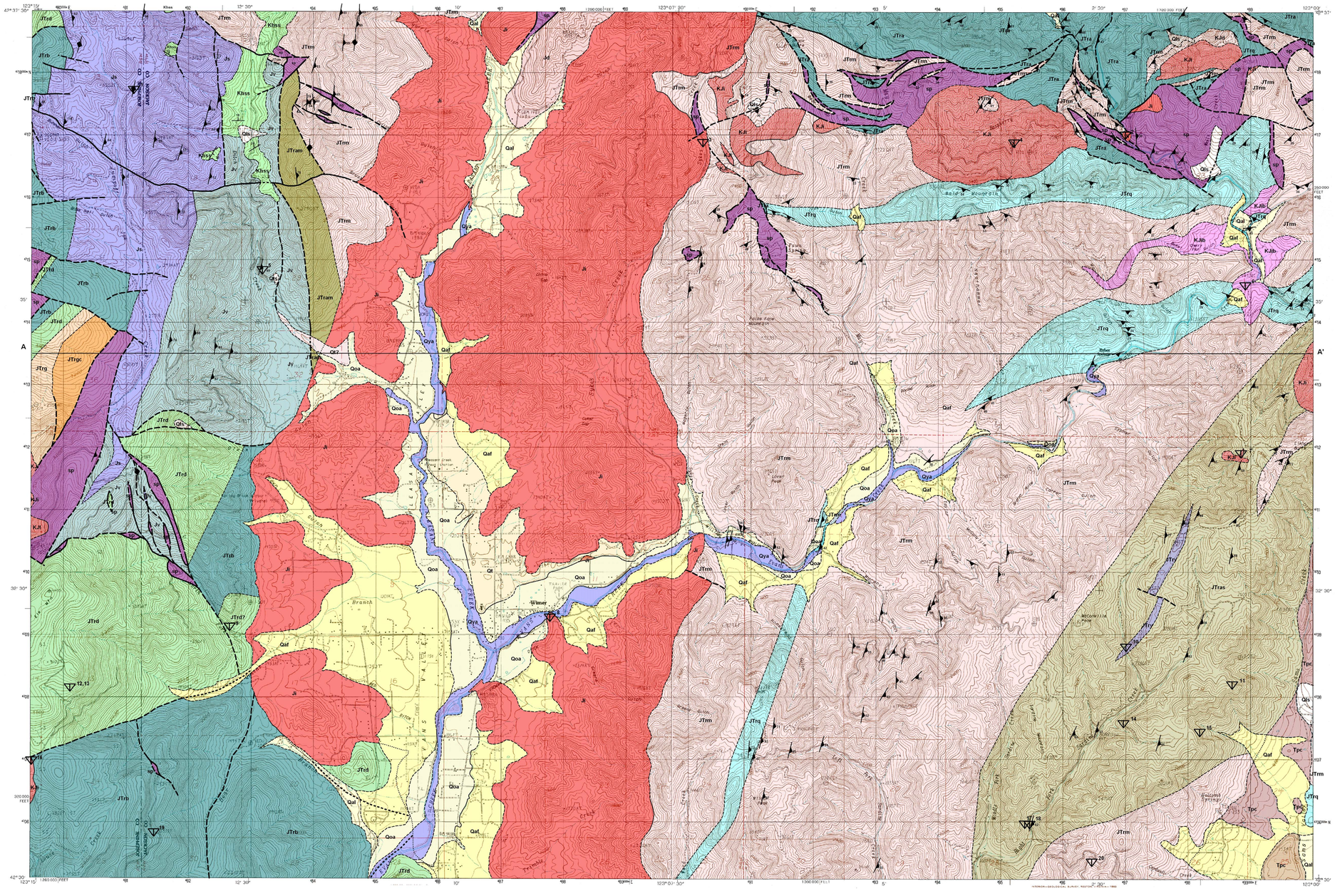


Cross Section A-A'

Surficial units may be exaggerated

Explanation

Qya Young alluvium (Holocene)
Qoa Older alluvium (Holocene and upper Pleistocene)
Qt Terrace deposits (Pleistocene)
Qal Alluvium undivided (Holocene and Pleistocene)
Qaf Alluvial fan deposits (Holocene and Pleistocene)
Qls Landslide deposits (Holocene and Pleistocene)

Unconformity

Tpc Payne Cliffs Formation (middle Eocene)
Khss Hornbrook Formation (Lower and Upper Cretaceous)

Unconformity

Sexton Mountain Ophiolite of Smith and others (1982)

Jv Volcanic rocks (Lower and Middle Jurassic)
Js Sedimentary rocks (Lower and Middle Jurassic)
JTrb Mafic flows and dikes (Middle Triassic to Lower Jurassic)
JTrd Diabase, gabbro, and basalt (Middle Triassic to Lower Jurassic)
JTrg Gabbro (Middle Triassic to Lower Jurassic)
JTrgc Cumulate gabbro (Middle Triassic to Lower Jurassic)

Metamorphic rocks

sp Serpentinite (Triassic to Lower Jurassic)
JTram Amphibolite (Triassic to Lower Jurassic)
JTrm Schistose metasedimentary rocks (Triassic to Lower Jurassic)
JTrq Locally quartzose metasedimentary rock and schist (Triassic to Lower Jurassic)
JTras Meta-volcaniclastic rocks and related amphibolite (Triassic to Lower Jurassic)
JTrv Meta-volcanic rocks (Triassic to Lower Jurassic)
JTra Amphibolite of Donato, 1991 (Triassic to Lower Jurassic)

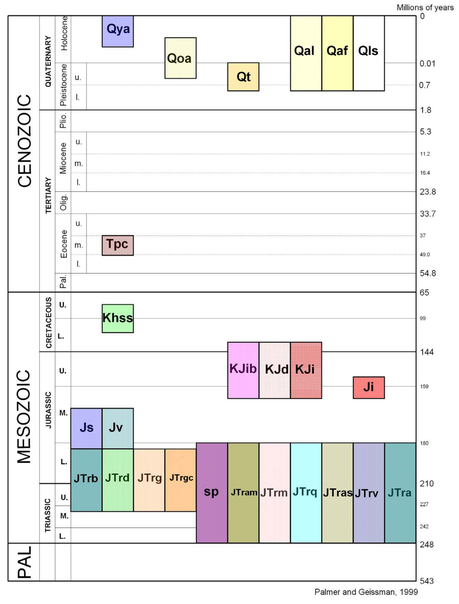
Intrusive Rocks

KJib Igneous breccia (Middle Jurassic to Lower Cretaceous)
KJd Diorite (Middle Jurassic to Lower Cretaceous)
KJi Granodiorite and quartz-diorite intrusions (Middle Jurassic to Lower Cretaceous)
Ji Wimer pluton and several smaller intrusions (Middle to Late Jurassic)

Symbols

Contact, dashed where inferred, dotted where concealed
Fault, dashed where inferred, dotted where concealed
Strike and dip of foliation
Strike of vertical foliation
Strike and dip of bedding
Geochemical sample and map number (see Table 1)

TIME ROCK CHART



Palmer and Geissman, 1999