

Geology and Mineral Resources Map of the Rio Canyon Quadrangle,
Jackson County, Oregon

1998

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
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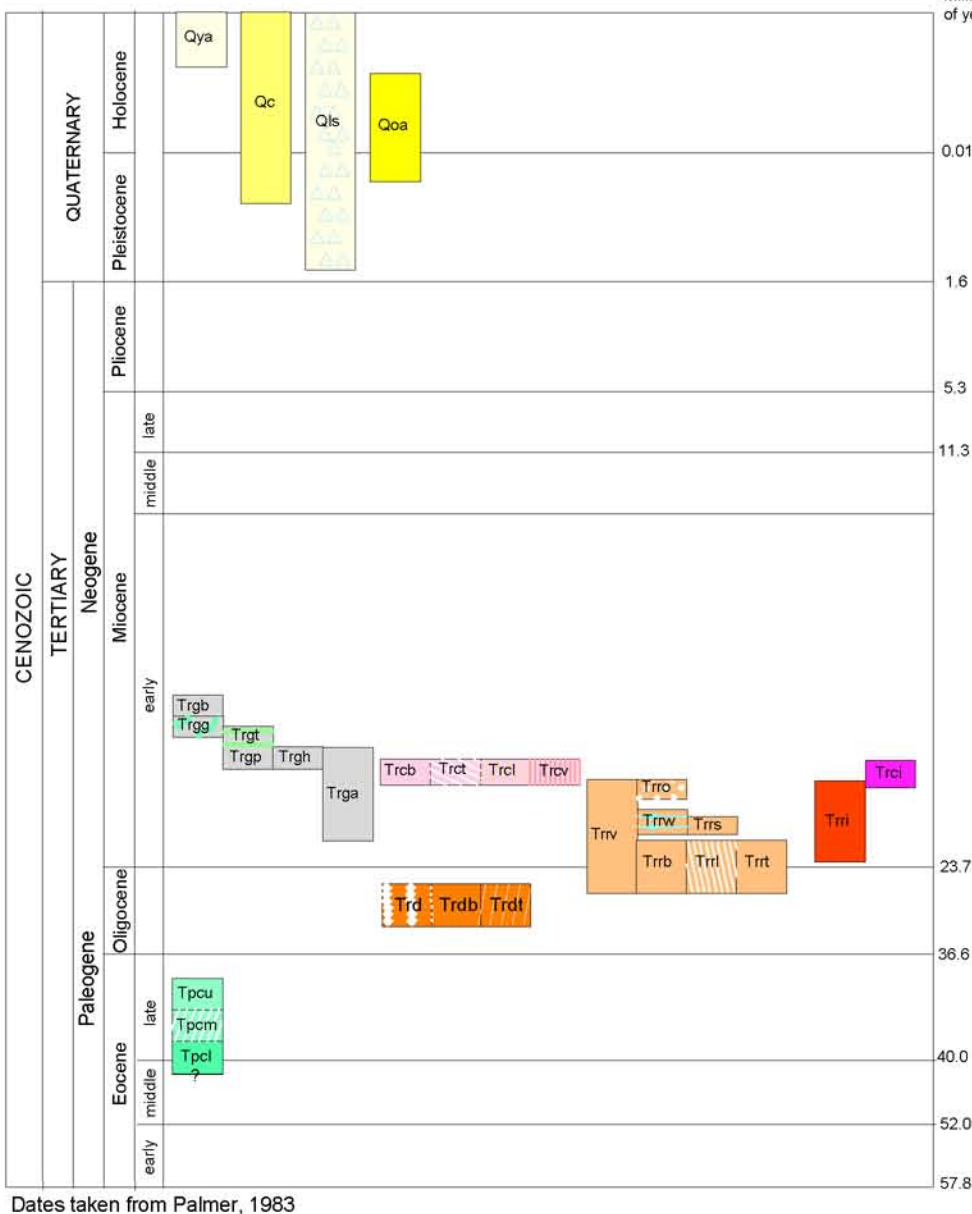
GMS-108

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By Frank R. Hladky

Funded in part by the U.S. Geological Survey, Department of the Interior,
assistance Award No. 1434-HQ-96-AG-01514 of the STATEMAP program.

TIME ROCK CHART



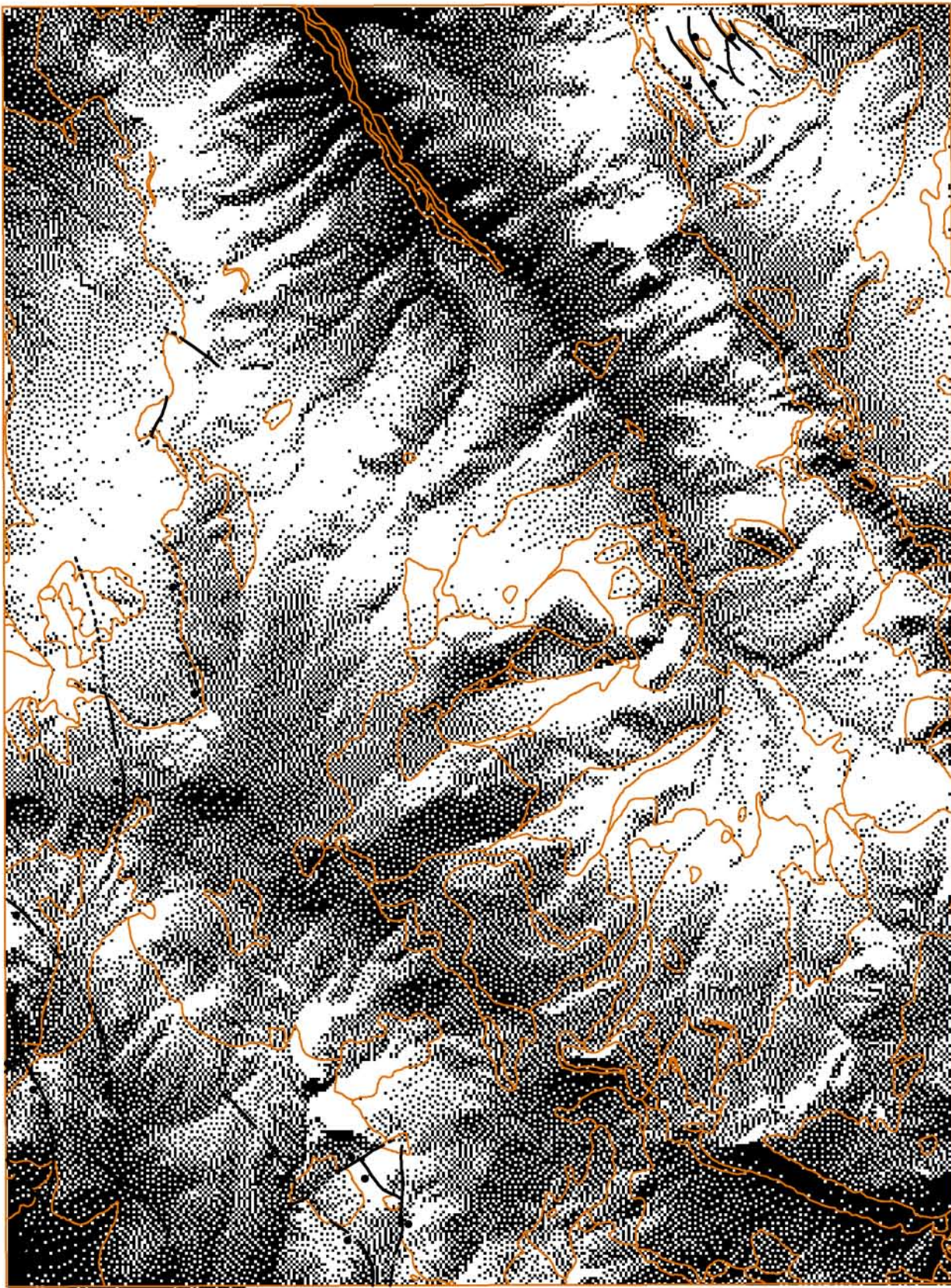
EXPLANATION OF MAP UNITS
(See accompanying text for complete geologic explanation)

- Surficial Deposits**
- Qya Young alluvium (Holocene)
 - Qc Colluvium (Holocene and Pleistocene)
 - Qls Landslide deposits (Holocene and Pleistocene)
 - Qoa Old alluvium (Holocene and Pleistocene)
- Tertiary Volcanic Rocks**
- Roxy Formation (lower Miocene and Oligocene)**
- Grizzly Peak member**
- Basaltic andesite**
- Trgb Vent deposits
 - Trgg Tuff
 - Trgp Pyroclastic rocks, undivided
 - Trgh Lahar deposits
 - Trga Basaltic andesite
- Chimney Rock member**
- Basaltic andesite and andesite**
- Trcb Tuff
 - Trcl Lahar deposits
 - Trcv Vent deposits
- Rio Canyon member**
- Trno Olivine andesite
 - Trnw Welded tuff
 - Trtv Tuff
 - Trvv Vent agglutinate
 - Trnb Basalt and basaltic andesite
 - Trnl Lithic tuff
 - Trnt Tuff
- Dry Creek Member**
- Trtd Undivided tuffaceous rocks and basaltic andesite
 - Trdb Basaltic andesite
 - Trdt Tuff
- Payne Cliffs Formation of McKnight (1971) (upper and middle (?) Eocene)**
- Tpcu Upper part
 - Tpcm Middle part
 - Tpcl Lower part
- Intrusive Rocks**
- Intrusive and hypabyssal rocks related to the Rio Canyon member (over Miocene)**
- Trti Basaltic andesite and andesite intrusive rocks
- Intrusive and hypabyssal rocks related to the Chimney Rock member (lower Miocene)**
- Trtd Andesite intrusive rocks

MAP SYMBOLS

- Contact—Approximately located
- Fault—Dashed where approximately located; dotted where concealed; ball and bar on downthrown side
- Strike and dip of bedding
- Strike and dip of beds—Visual field estimate
- Horizontal bedding
- Vertical dike
- Landslide scarp
- Landslide boulder 3-10 m across, rock type indicated
- Sample location with map number—See Table 1 in accompanying text
- Mine/quarry location with map number—See Table 2 in accompanying text

GEOLOGIC CROSS SECTIONS



Geology of Rio Canyon quadrangle superimposed on USGS Digital Elevation Model.
Scale is one inch equals one mile.