EXPLANATION

(Courtrock Quadrangle)

Qa
Alluvium

Qf+fa
Landslide
Letter symbol below line indicates formation principally involved

Qo-a
Older alluvium
Older alluvium and slope wash in vicinity of Hamilton

UNCONFORMITY

Tr, 37
Battlesnake Formation
Tr, Bouldery gravel and slope wash in southwest corner
of map; may be Pleistocene in part
Tr, Rhyolite tuff of ash-flow origin

UNCONFORMITY

Tm
Mascall Formation
Mostly waterlaid ash and tuff of ash-flow origin, with thin
beds of small-pebble gravel. Interfingers with flows of
Picture Gorge Basalt along west side of Fox basin

UNCONFORMITY

Tr, Bouldery gravel and slope wash in vicinity of Hamilton

UNCONFORMITY

Tp
Rattlesnake Formation
Tr, Bouldery gravel and slope wash in southwest corner
of map; may be Pleistocene in part
Tr, Rhyolite tuff of ash-flow origin

UNCONFORMITY

Tjd
John Day Formation
Waterlaid and eolian ash, tuff of ash-flow origin, and
sand gravel. Red in lower part near contact with
Clarno Formation elsewhere colors ranging from gray
through pale green, yellow, or pink

UNCONFORMITY

Tcl
Clarno Formation
Mainly lavas, some volcanic breccia, mudflows, and pyroclastic
rocks of andesitic and basaltic composition. Locally
weathered to thick dark red lateritic soils

UNCONFORMITY

K
Saltbasin and shale
Small exposures in Timber Basin

UNCONFORMITY

Cobblestone
Cobblestone mostly made up of quartzite

Contact
Dashed where approximately located

Fault
Dashed where approximately located, dotted where concealed.
Bar and ball on down thrown side

Lineament from aerial photographs
Indicating fault or fracture zone

Strike and dip of beds or lava flows

U.S. Geological Survey
OPEN FILE MAP
This map is preliminary and has not been edited or reviewed for
conformity with Geological Survey standards or nomenclature.
PRELIMINARY GEOLOGIC MAP OF THE COURTROCK QUADRANGLE,
GRANT COUNTY, OREGON

by
T.P. Thayer and C. Ervin Brown

U.S. Geological Survey

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