

EXPLANATION  
(Courtrock Quadrangle)

Recent	QUATERNARY	<div>Qa</div>	Alluvium
		<div>Ql<sup>Ql</sup><sub>Tjd</sub></div>	Landslide
Pleistocene		Letter symbol below line indicates formation principally involved	
		<div>Qoa</div>	Older alluvium
		Older alluvium and slope wash in vicinity of Hamilton	
		UNCONFORMITY	
Middle and Upper Pliocene		<div>Tr Trt</div>	Rattlesnake Formation
		Tr, Bouldery gravel and slope wash in southwest corner of map; may be Pleistocene in part	
		Trt, Rhyolite tuff of ash-flow origin	
		UNCONFORMITY	
Middle and Upper Miocene	Columbia River Group	<div>Tm</div>	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	
		<div>Tp</div>	Picture Gorge Basalt
		Medium to dark gray basalt flows commonly containing a little olivine	
		<div>Tb</div>	Basalt dikes and sills
		Probably feeders for flows of Picture Gorge Basalt	
Upper Oligocene and Lower Miocene		UNCONFORMITY	
		<div>Tjd</div>	John Day Formation
		Waterlaid and eolian ash, tuff of ash-flow origin, and some gravel. Red in lower part near contact with Clarno Formation; elsewhere colors ranging from gray through pale green, yellow, or pink	
		UNCONFORMITY	
Eocene		<div>Tcl</div>	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	
		<div>K</div>	Sandstone and shale
Upper Cretaceous		Small exposures in Timber Basin	
		UNCONFORMITY	
	CRETACEOUS	<div>E</div>	Conglomerate
		Cobbles mostly made up of quartzite	
	PALEOZOIC		

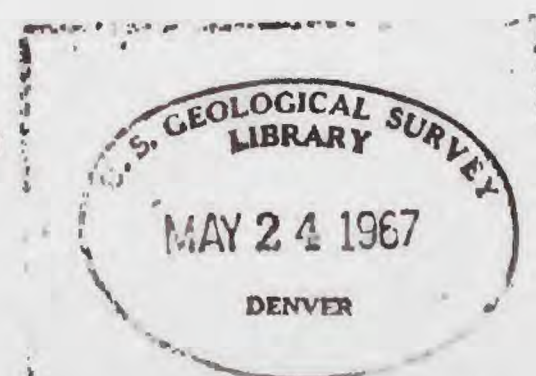
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Contact  
Dashed where approximately located

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

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P  
Lineament from aerial photographs  
Indicating fault or fracture zone

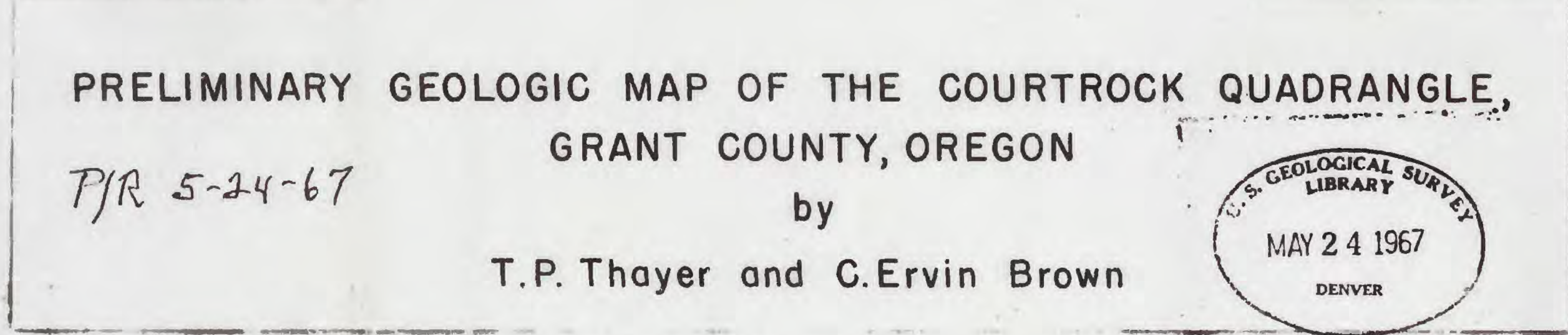
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5  
Strike and dip of beds or lava flows

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.





COURT ROCK QUADRANGLE  
OREGON-GRANT CO.  
15 MINUTE SERIES (TOPOGRAPHIC)



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