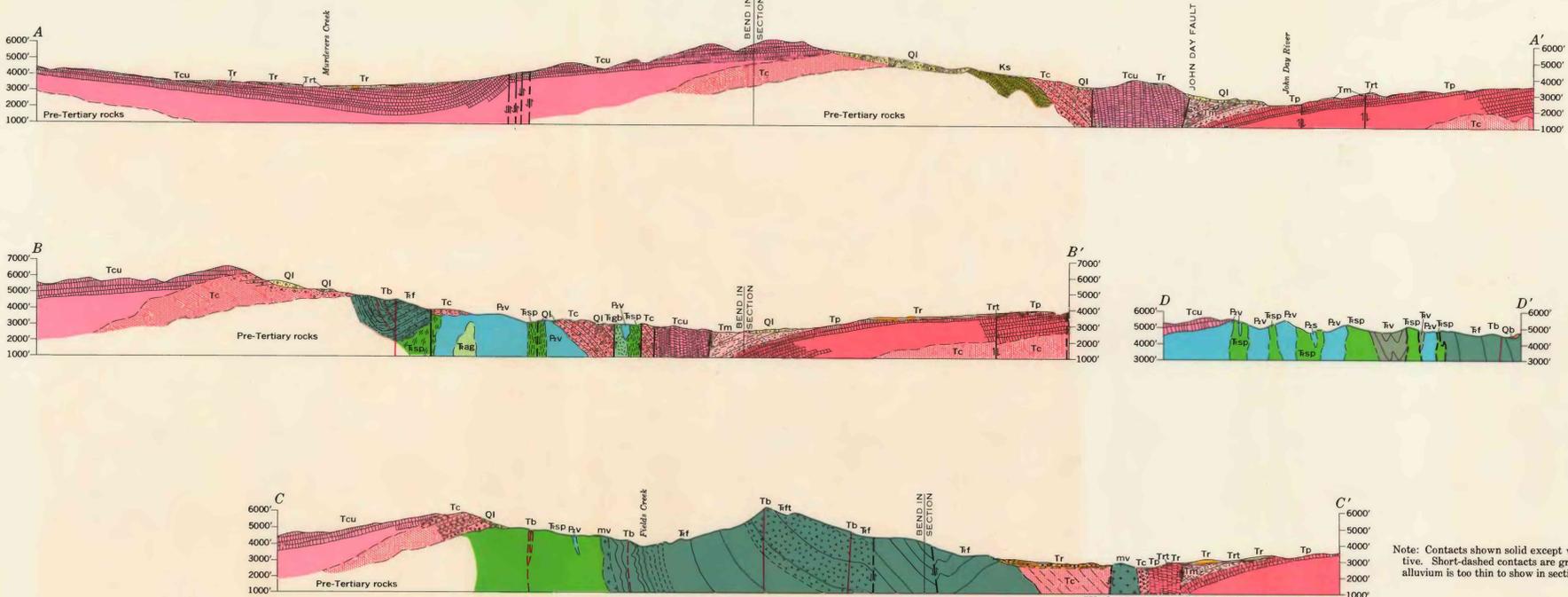
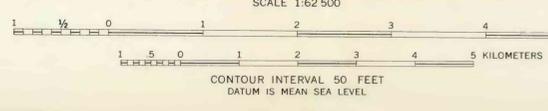
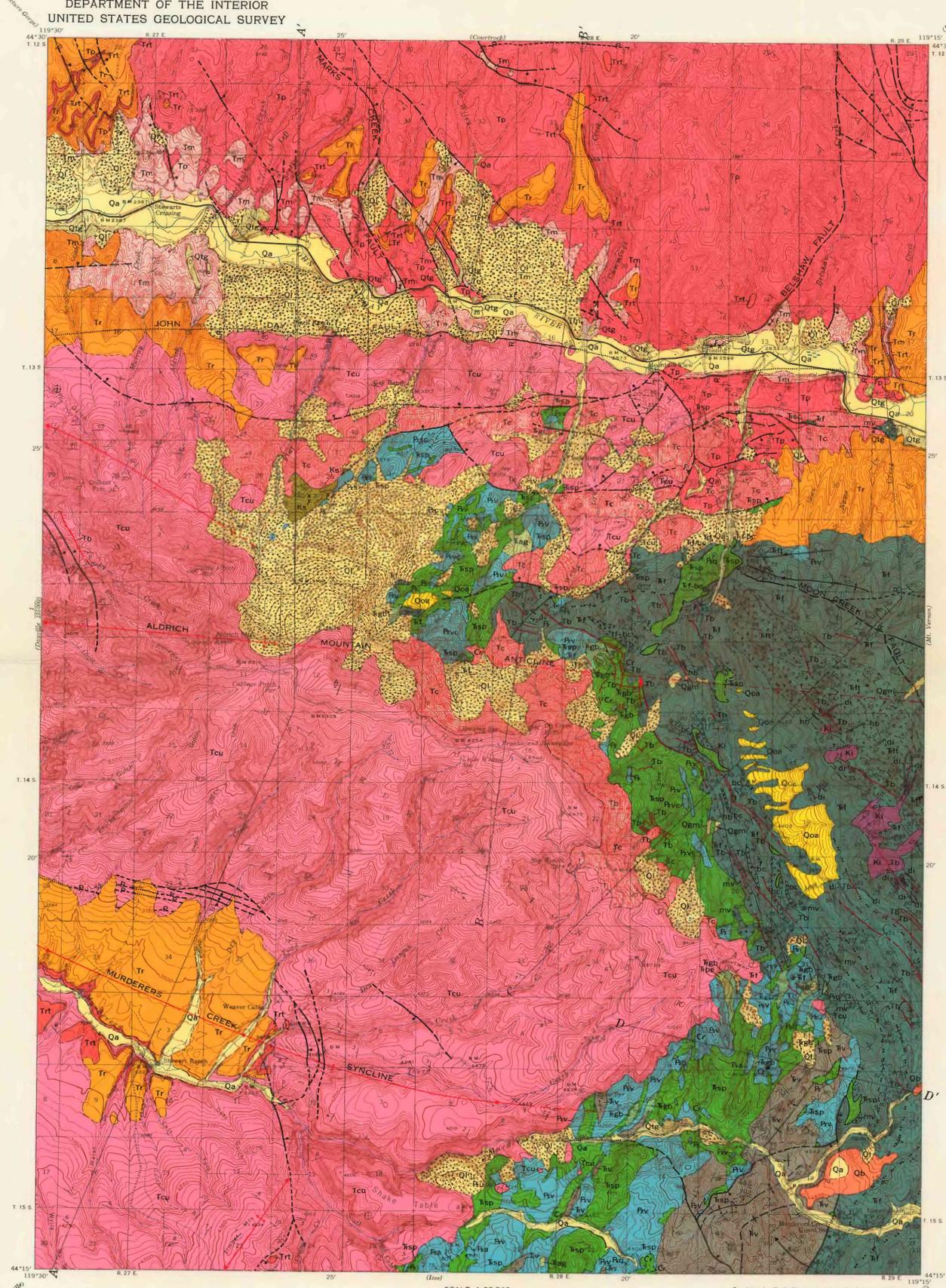


EXPLANATION

QUATERNARY	Qa	Alluvium	— — — — —	Contact		
	Ql	Landslide	— — — — —	Solid where observed; long dash where located within 200 feet; short dash where indefinite, inferred, or gradational		
	Qb	Basalt and basaltic cinders	— — — — —	Fault		
	Qte	Terrace gravels	— — — — —	Solid where observed or located within 200 feet; long dashed where located approximately; short dashed where inferred; dotted where concealed. Bar and ball on downthrown side. Arrows show relative horizontal movement		
	Qgm	Glacial moraine	— — — — —	Reverse fault		
	Qoa	Older alluvium	— — — — —	Reverse fault showing dip. R, upthrown side		
	PLISTOCENE	Tr	Rattlesnake Formation	— — — — —	Fault lineament	
		Tr	Includes colluvium; in high valley stage of Fields Creek, may be equivalent to upper part of Rattlesnake Formation	— — — — —	Probable fault observed on aerial photographs	
		ANGULAR UNCONFORMITY	Tr	Rattlesnake Formation	— — — — —	Diapir contact
			Tr	Tr, flagstones and river gravels; those below the tuff member are Middle Pliocene, but those above may be Pleistocene in part. Tr, Elyotte tuff of sub-flow origin	— — — — —	Sheared contact between diopiric serpentine and Upper Triassic rocks
MIDDLE PLIOCENE		Tr	Rattlesnake Formation	— — — — —	Bedding lineament	
		Tr	Tr, flagstones and river gravels; those below the tuff member are Middle Pliocene, but those above may be Pleistocene in part. Tr, Elyotte tuff of sub-flow origin	— — — — —	Trace of bedding observed on aerial photos	
		Tr	Rattlesnake Formation	— — — — —	Anticlines	
TERTIARY		MIDDLE MIocene through Lower Pliocene	Tm	Mascall Formation	— — — — —	Normal
			Tcu	Columbia River Group undivided	— — — — —	Overturbed
		ANGULAR UNCONFORMITY	Tm	Mascall Formation	— — — — —	Showing crest line and direction of plunge; dashed where approximately located; short arrow indicates steeper limb. Folds of late Tertiary age shown in red
	Tcu		Columbia River Group undivided	— — — — —	Synclines	
	ANGULAR UNCONFORMITY	Tp	Picture Gorge Basalt	— — — — —	Normal	
		Tb	Mostly basalt flows	— — — — —	Overturbed	
	ANGULAR UNCONFORMITY	Tb	Mostly basalt flows	— — — — —	Showing trough line and direction of plunge; dashed where approximately located; short arrow indicates steeper limb. Folds of late Tertiary age shown in red	
		Tb	Mostly basalt flows	— — — — —	Strike and dip of beds or lava flows	
	ANGULAR UNCONFORMITY	Tb	Mostly basalt flows	— — — — —	Dot indicates that top of beds was observed; symbol without dip indicates approximate attitude	
		Tb	Mostly basalt flows	— — — — —	Strike and dip of vertical beds or lava flows	
ANGULAR UNCONFORMITY	Tb	Mostly basalt flows	— — — — —	Dot indicates observed direction of top of beds		
	Tb	Mostly basalt flows	— — — — —	Strike and dip of crenulated beds		
CRETACEOUS	ANGULAR UNCONFORMITY	Tc	Clarno Formation	— — — — —	Variable strike and dip of beds	
		Tc	Clarno Formation	— — — — —	Strike and dip of overturned beds	
	ANGULAR UNCONFORMITY	Ks	Sandstone and sandy conglomerate	— — — — —	Dot indicates that top of beds was observed	
		Ks	Sandstone and sandy conglomerate	— — — — —	Strike and dip of foliation	
	RELATIONS UNKNOWN	Ki	Diorite porphyry and related rocks	— — — — —	Strike of vertical foliation	
		Ki	Diorite porphyry and related rocks	— — — — —	Strike and dip of layering in gabbro	
	RELATIONS UNKNOWN	Ki	Diorite porphyry and related rocks	— — — — —	Horizontal lava flows	
		Ki	Diorite porphyry and related rocks	— — — — —	Adit	
	RELATIONS UNKNOWN	Ki	Diorite porphyry and related rocks	— — — — —	Abandoned coal (lignite) mine north of U.S. 26, a mile east of Cummings Creek	
		Ki	Diorite porphyry and related rocks	— — — — —	Chromite mine or prospect	
RELATIONS UNKNOWN	Ki	Diorite porphyry and related rocks	— — — — —	Fossil locality		
	Ki	Diorite porphyry and related rocks	— — — — —			
TRIASSIC(?)	ANGULAR UNCONFORMITY	Ft	Fields Creek formation of the Aldrich Mountains Group	— — — — —		
		Ft	Fields Creek formation of the Aldrich Mountains Group	— — — — —		
	ANGULAR UNCONFORMITY	Ft	Fields Creek formation of the Aldrich Mountains Group	— — — — —		
		Ft	Fields Creek formation of the Aldrich Mountains Group	— — — — —		
	ANGULAR UNCONFORMITY	Ft	Fields Creek formation of the Aldrich Mountains Group	— — — — —		
		Ft	Fields Creek formation of the Aldrich Mountains Group	— — — — —		
	ANGULAR UNCONFORMITY	Ft	Fields Creek formation of the Aldrich Mountains Group	— — — — —		
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	ANGULAR UNCONFORMITY	Ft	Fields Creek formation of the Aldrich Mountains Group	— — — — —		
		Ft	Fields Creek formation of the Aldrich Mountains Group	— — — — —		
TRIASSIC	ANGULAR UNCONFORMITY	Vv	Vester Formation	— — — — —		
		Vv	Vester Formation	— — — — —		
	ANGULAR UNCONFORMITY	Vv	Vester Formation	— — — — —		
		Vv	Vester Formation	— — — — —		
	ANGULAR UNCONFORMITY	Vv	Vester Formation	— — — — —		
		Vv	Vester Formation	— — — — —		
	ANGULAR UNCONFORMITY	Vv	Vester Formation	— — — — —		
		Vv	Vester Formation	— — — — —		
	ANGULAR UNCONFORMITY	Vv	Vester Formation	— — — — —		
		Vv	Vester Formation	— — — — —		
PALEOZOIC	ANGULAR UNCONFORMITY	Ag	Albite granite	— — — — —		
		Ag	Albite granite	— — — — —		
	ANGULAR UNCONFORMITY	Ag	Albite granite	— — — — —		
		Ag	Albite granite	— — — — —		
	ANGULAR UNCONFORMITY	Ag	Albite granite	— — — — —		
		Ag	Albite granite	— — — — —		
	ANGULAR UNCONFORMITY	Ag	Albite granite	— — — — —		
		Ag	Albite granite	— — — — —		
	ANGULAR UNCONFORMITY	Ag	Albite granite	— — — — —		
		Ag	Albite granite	— — — — —		
ANGULAR UNCONFORMITY	Ag	Albite granite	— — — — —			
	Ag	Albite granite	— — — — —			



**GEOLOGIC MAP OF THE ALDRICH MOUNTAIN QUADRANGLE, GRANT COUNTY, OREGON**  
By  
T. P. Thayer and C. Ervin Brown  
1966