

TABLE I — INTERPRETATION OF ELKHORN MOUNTAINS VOLCANICS STRATIGRAPHIC RELATIONS

This map or illustration is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

Elkhorn Mountains, Montana Klepper, Weeks, and Ruppel (1957)		THIS REPORT				Deer Lodge Valley Montana ¹	
		Basin Quadrangle Montana			Elliston mining district and northwest quarter ²	EAST FLANK	
		East half	Thunderbolt Mountain	Cliff Mountain		Peterson creek and vicinity	Cottonwood creek and Zosell mining district ²
Late Cretaceous (mainly or entirely Judith River age)					Basalt flows and flow breccia		Basalt flows and flow breccia
					?		?
	Upper member (Kv ₃) dominantly andesitic sedimentary rocks.	Tuff and volcanic sandstone.					
	Middle member (Kv ₂) dominantly quartz latite welded tuff.	Upper quartz latite welded tuff. Lower quartz latite welded tuff.	Upper quartz latite welded tuff. Tuff, lapilli tuff, tuff breccia, volcanic con- glomerate and sandstone.	Upper quartz latite welded tuff. Tuff breccia. Tuff and lapilli tuff. Tuff and tuff breccia, in part welded. Flow breccia. Welded tuff.	Andesitic tuff, lapilli tuff and tuff breccia, largely welded. Flow and pyroclastic breccia.	Upper quartz latite welded tuff. Welded tuff and tuff breccia.	Welded tuff breccia, welded tuff and tuff. Flow breccia.
	Lower member (Kv ₁) dominantly andesitic massive crystal tuff, tuff breccia, and breccia, with thin bed- ded tuff and welded tuff units locally.			Tuff, lapilli tuff, tuff breccia.		Tuffaceous sandstone and tuff.	Tuffaceous sandstone and siltstone, tuff breccia, andesitic flows.
		(Older volcanic rocks, if any existed, destroyed by emplacement of batho- lithic rocks).	(Older volcanic rocks, if any existed, destroyed by emplacement of batho- lithic rocks).	(Base not exposed).	(Unconformable on Kootenai formation, lower part of Colorado formation).	(Probably overlies middle, siliceous, part of Colorado formation, but relations uncertain).	(Base not exposed).
							(Base unknown)

Overlying rocks unknown
probably basalt