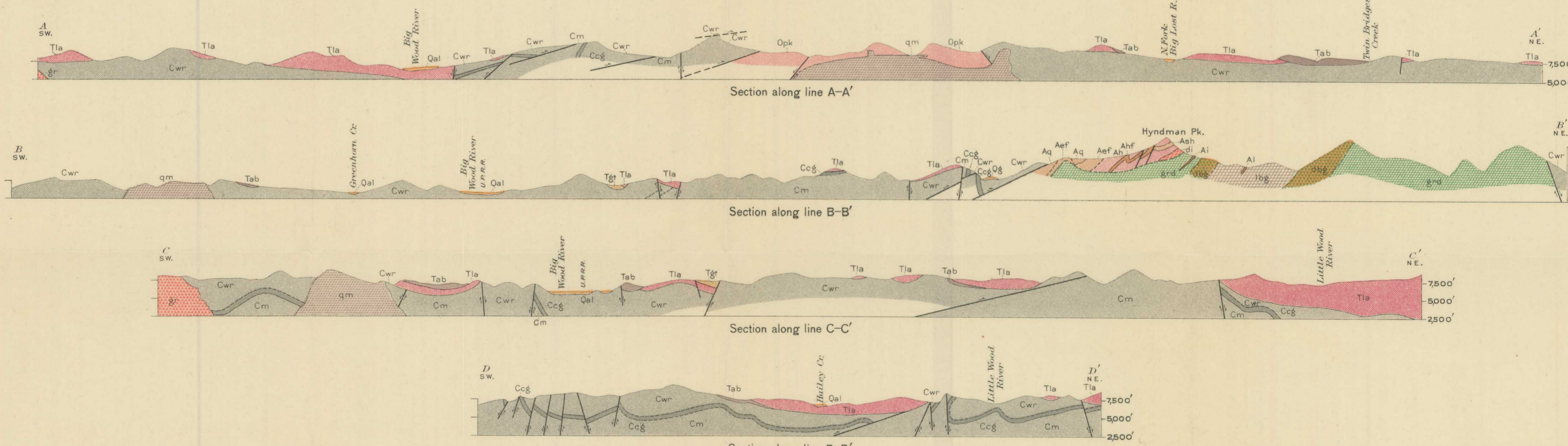


EXPLANATION		IGNEOUS ROCKS	
SEDIMENTARY ROCKS		Continued	
Recent	Qal Alluvium (Water-laid deposits on valley bottoms)	gr	Soda granite
Pleistocene	Qt Terrace gravel along Big Wood River (On lower terraces)	qm	Quartz monzonite
	Qot Older terrace gravel (Gravel capping higher terraces)	lbg	Light biotite gneiss (Facies of granodiorite of Wildhorse Creek)
	Qg Glacial deposits (Moraines and fluvioglacial deposits of last or Wisconsin glacial stage; shown only where they conceal structure of underlying rocks)	dbg	Dark biotite gneiss (Facies of granodiorite of Wildhorse Creek)
Miocene (?)	UNCONFORMITY	grs	Granodiorite
	Tgt Gravel and tuff (Interbedded in the Miocene?) (Lava flows and only in part mapped separately; the Tgt in large part water-laid)	di	Diorite (Chiefly border-facies of granodiorite of Wildhorse Creek)
Pennsylvanian	UNCONFORMITY	Fault	
	Cwr Ccg Wood River formation (Upper and middle parts calcareous and siliceous sandstone with interbedded conglomerate and limestone; lower part thin-bedded limestone overlying heavy-bedded blue sandy limestone, with massive conglomerate, Ccg, at and near the base)	Probable faults	
Devonian (?) and Mississippian	UNCONFORMITY (P)	Covered faults (Concealed by alluvium)	
	Cm Milligen formation (Gray and black shale and interbedded blue limestone and quartzite)	Thrust side of thrust fault	
Lower Middle and Upper (?) Ordovician	Stc Trail Creek formation (Siliceous argillite and quartzitic sandstone interbedded)	Dropped side of normal fault	
	Opk Phi Kappa formation (Upper part dark-colored shale interbedded with yellow shaly sandstone; lower part medium and fine grained quartzitic sandstone and finely argillite in alternating beds)	Strike and dip	
Lower Ordovician	Oca Carbonaceous argillite containing Beekmantown fauna	Strike of vertical bedding	
	UNCONFORMITY (P)	Horizontal strata	
Algonkian (?)	Aef Aq Ael East Fork formation (Blue, gray, and white metamorphosed limestone with a vitreous quartzitic member, Aq, in the middle)		
	Ai Hyndman formation (Massive quartzite with a green hornfels member, Ah, in upper part and a mica schist member, As, in lower part)		
Pleistocene or Recent	IGNEOUS ROCKS		QUATERNARY
	Qt Olivine basalt (Flows in modern valley of Little Wood River)	Tr	
Miocene (?)	Tla Latite and hornblende andesite (Lava flows interbedded with Tab)	Tab	Augite andesite and basalt (Lava flows interbedded with water-laid tuff, sand, and gravel, in large part mapped separately as Tgt)
	Tgp Granite porphyry (Stocks and dikes)	Tdp Quartz diorite porphyry (Stocks and dikes)	

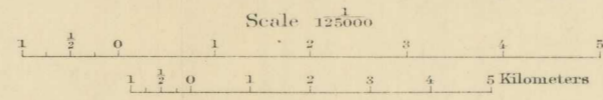
Topography by E. T. Perkins, Jr.
Surveyed in 1894-95

Geology by Lewis G. Westgate, assisted by
R. S. Knappen, A. C. Bevan, and E. V. Shannon

Continued at right



GEOLOGIC MAP AND SECTIONS OF THE HAILEY QUADRANGLE, IDAHO



Contour interval 100 feet
Datum is mean sea level
1930