## COLUMNAR SECTION SHEET 1

GENERALIZED SECTION OF THE ROCKS OF THE INDIANA QUADRANGLE.  SÖALE: 1 INCH—200 FEET.							
PERIOD.	FORMATION NAME.	SYMBOL.	COLUMNAR SECTION.	THICKNESS IN FEET.	NAMES OF MEMBERS.	CHARACTER AND DISTRIBUTION OF MEMBERS.	Character of Formation.
CARBONIFEROUS PENNSYLVANIAN SERIES	Monongahela formation.			a.N	Pittsburg coal.	Not present in the quadrangle.	Not present in the quadrangle.
			i men Maria		Connellsville sandstone.	Thin-bedded drab sandstone. Occurs on a few hills in the southwest corner of the quadrangle.	
					Morgantown sandstone.	Massive buff sandstone. Occurs on hills west of Homer, and on White, Coleman, and Warner hills.	
	Conemaugh formation.	Ccm		700±			Chiefly drab and reddish shales, with interbedded sandstones, a few thin limestones, and coal beds. The sandstones are not persistent strata but lenses, which form conspicuous outcrops. Locally, in the vicinity of Gaibleton, south of Onberg, and in Brush Valley, some of the coal beds attain workable dimensions.
			Walter Constitution of the		Saltsburg sandstone.	Massive buff sandstone. Occurs at Homer and Edgewood and on Dias Ridge.	
					Mahoning sandstone.	Massive sandstone, often conglomeratic. Occurs above the Upper Freeport coal on Chestnut Ridge, along Crooked Creek near Chambersville, and along McKee Run.	
			compares or the	The state of the s	Upper Freeport coal, Freeport limestone. Bolivar fire clay. Lower Freeport coal.	Generally present at the top of the formation.  Freeport limestone and Bolivar fire elay not always present.  Occurs infrequently. It is mined on Dixon Run.	
	Allegheny formation.	Ca	1000 m	300±	Kittanning coals.	The Lower Kittanning is the most important of the Kittanning coals. It outcrops along the deeper gorges of Chestnut Ridge.	Shales and sandstones, with occasional beds of limestone and fire clay, and several workable beds of coal.
			9 <b>1</b> 20		Vanport (Ferriferous) limestone. Clarion-Brookville coals.	Feebly developed. It outcrops in Yellow Creek gorge.  Unimportant in the quadrangle.	
	Pottsville formation.	Сри		100±			Massive sandstone and interbedded shale.
MISSIS-	Mauch Chunk shale.	Cmc		50±			Red and green shales.



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