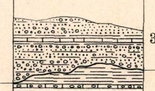
COLUMNAR SECTIONS

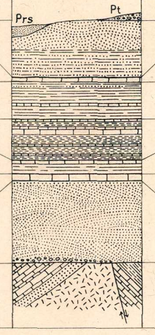
GENERALIZED SECTION FOR THE NORTHERN PART OF THE TISHOMINGO QUADRANGLE.

SCALE: 1 INCH = 1000 FEET.

Period.	Formation Name.	Symbol.	Columnar Section.	Thickness in Feet.	Character of Rocks.	Character of Topography.
CARBONIFEROUS — PENNSYLVANIAN	Franks conglomerate.	Cf		300–500+	*Limestone and chert conglomerates, gritty sandstone, limestone, and shale.* Probably represents the upper portion of the Glenn formation and lies unconformably on all the older Paleozoic formations.	Rounded hills and undulating plain.
	UNCONFORMITY.					
	Glenn formation.	Cg		1000–3000	Blue shale with thin brown sandstone and occasional thin limestone.	Rolling plain, locally dissected by deep gullies.
CARBONIFEROUS — MISSISSIPPIAN	Caney shale.	Ccy		1500	Blue shale with thin sandy lentils and small ironstone concretions. Black fissile shale with dark-blue fossiliferous limestone concretions.	Level plains and valleys.
	Sycamore limestone.	Csm		0–160	Bluish to yellow limestone.	Narrow, level-topped ridges.
DEV.?	Woodford chert.	DCw		600	Thin-bedded chert and fissile black shale. Local blue flint lentils at the base.	Low ridges of hilly land.
SILURIAN — ORDOVICIAN	Hunton limestone.	Sh		0–200	White and yellowish limestones with flint and chert concretions in upper part.	Sharp, narrow ridges and terraced hills.
	Sylvan shale.	Ss		50–300	Blue clay shale.	Narrow valleys.
	Viola limestone.	Sv		750	White and bluish limestones with flint concretions in the middle.	Low ridges and hilly land.
	Simpson formation.	Ssp		1600	*Bituminous sandstone, calcareous sandstone,* and shale. Thin fossiliferous limestone and shale. Bituminous sandstone, calcareous sandstone, and shale. Fossiliferous limestone and shale. Sandstone and shaly beds.	Slopes of shallow valleys.
	SLIGHT UNCONFORMITY.					
	Arbuckle limestone.	€Sa		4000–6000	Massive and thin-bedded white and light-blue limestones with cherty concretions. Dull-blue massive and thin-bedded limestones, sandy at the base.	Slightly dissected rolling plain, recently uncovered from Cretaceous strata.
CAMBRIAN?	Reagan sandstone.	€r		50–150	Coarse dark-brown sandstone at base; calcareous sandstone and shale at top.	
PRE-CAMBRIAN	Tishomingo granite.	tgr			Coarse red granite and monzonite, with diabase, granite-porphyry, and aplite dikes.	

GENERALIZED SECTION FOR THE SOUTHERN PART OF THE TISHOMINGO QUADRANGLE.

SCALE: 1 INCH = 500 FEET.

Period.	Formation Name.	Symbol.	Columnar Section.	Thickness in Feet.	Character of Rocks.	Character of Topography.
	River sand.	Prs			Fine river sand and silt.	River bottom lands.
CRETACEOUS — GULF	Terrace sand and gravel.	Pt		0–50	Gravel and sand.	Flat benches and low slopes.
	Silo sandstone.	Ks		200+	Brown friable sandstone, locally indurated by ferruginous cement, shale, and shaly sandstone.	Low, round hills and shallow valleys.
	SLIGHT UNCONFORMITY.					
CRETACEOUS — COMANCHE	Bennington limestone.	Kb		10–15	Blue limestone composed chiefly of shells.	Low escarpments.
	Bokchito formation.	Kbk		140	Red and blue shale with thin ferruginous limestone and lentils of friable sandstone.	Hill slopes and rolling lands.
	Caddo limestone.	Kc		150	Yellow and white limestone and marl.	Low escarpments and rolling land.
	Kiamichi formation.	Kk		50	Blue friable shale; thin limestone composed chiefly of shells in upper portion.	Lower slopes of escarpments and rolling prairie land.
	Goodland limestone.	Kgl		25	Massive white limestone.	Small level benches and bluffs capping escarpments.
	Trinity sand.	Kt		200–400	Fine yellow sand with conglomerate beds locally at the base.	Steep lower slopes of escarpments, rough, hilly land, and low, round hills and wide valleys.
	UNCONFORMITY.					
	Carboniferous, Devonian, Silurian, and Cambrian sediments and pre-Cambrian granite.					

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