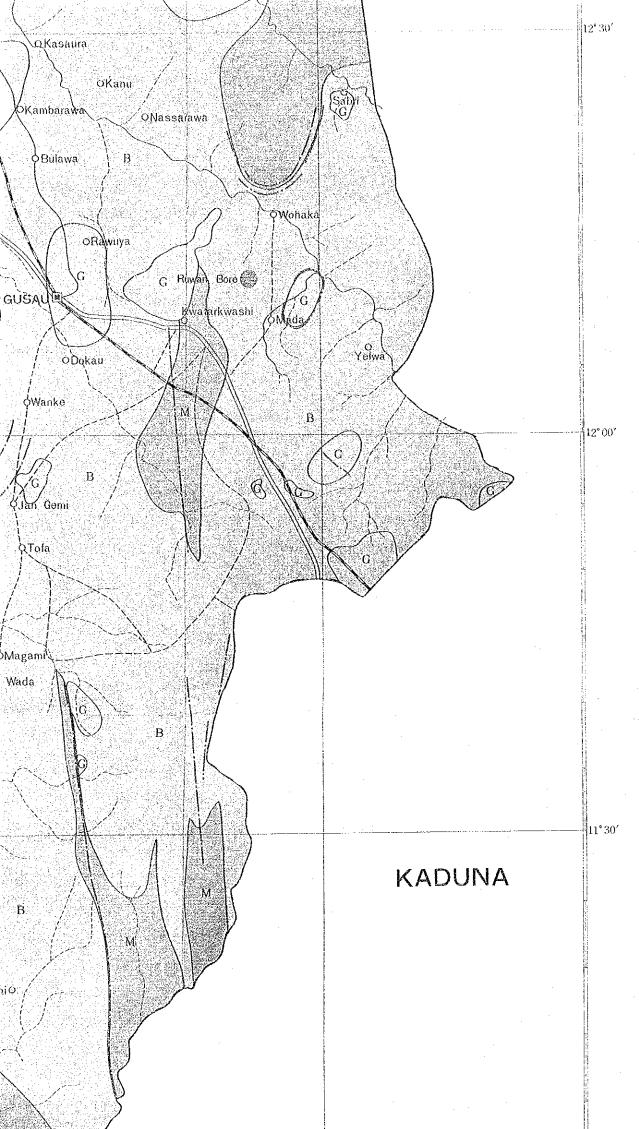






Table General

	T	able	Gener
System	Series	Gre	up
Quaternary	Recent and Phistocene	i	
Tertiany	Post Eocene and Eocene		·
	Paleocete	Sobote	
Cretaceous	Upper Cretaceous (Maestrichtan)		
	Lower	:	4 \$
Pre- Ondtaceous		:	:



A				A
	Line of	f Cross	Section	

Table Generalized Stratigraphic Section for the Sokoto Region (nomenclature after Parker, 1964)

System	Series	Group	Formation	Thickness (feet)	Lithologic Character	Aquifer Properties
Quaternary	Recent and Pleistocene			0 to 50	Unconsolidated silt and sand with some gravel in fadama (valley floor) of Sokoto and Rima Rivers and their larger tributaries.	Yields small to moderate supplies of potable water to shallow wells. May have potential for large yields by induced river infiltration.
	Post-Eocene and Eocene		Gwandu	0 to 1,000+	Semiconsolidated fine to coarse-grained sand and clay, with dark-colored clay shale.	Basal sand member yields moderate supplies of potable water to boreholes under artesian pressure. Upper member yields small to moderate supplies to wells and boreholes under water-table and subartesian conditions.
Tertiary	Sokoto Oto Oto Oto Oto Oto Oto Oto Oto Oto	Unconformity	0 to 160+	Semiconsolidated clayey limestone and marl, with some mudstone and plastic shale.	Limestone yields small to moderate supplies of potable water to shallow wells and springs in the outcrop area. Formation is probably not productive at depth.	
		Dange	0 to 140+	Semiconsolidated blue to grey, plastic shale, with phosphatic nodules and thin beds of limestone.	Yields little or no water to wells and boreholes. Forms confining bed for artesian water in underlying Wurno Formation.	
Cretaceous Upper Cretaceous (Maestrichtian)	aestrichtian) Rima	Wurno	0 to 150+	Friable sandstone and sand inter-bedded with soft mudstone and shale.	Yields moderate supplies of potable water to boreholes under artesian pressure.	
		Dukamaje	0 to 88	Dark-colored fossiliferous shale, with thin beds of limestone. Present only in northern part of the region.	Yields little or no water to wells and boreholes.	
	***************************************	Taloka	0 to 600+	Semiconsolidated fine to medium- grained sand, sandstone and shale, with lignite and mudstone.	Yields small to moderate supplies of potable water to boreholes. Under artesian pressure downdip.	
Lower			Unconformity (?) Gundumi and Illo	0 to 1,000	Semiconsolidated fine to coerse-grained sand, with clay, sandy clay and conglomerate near the base.	Yields small to moderate supplies of potable unconfined water to wells on the outcrop area. Yields water under artesian pressure at depth.
Pre- Cretaceous			Unconformity Basement Rock		Granite-gneiss, phyllite and quartzite.	Yields meager supplies of water to wells in outcrop area.

CALLE A COO COO CO A CALL INICIDES TO B MILES

