GEOLOGIC COLUMN AND UNIT DESCRIPTION

GLOLOGIC COLONIN AND ONLI DESCRIPTION		
AGE	ROCK UNIT LITHOLOGY; THICKNESS WHERE KNOWN	UNIT DESCRIPTION
	Alluvium Qol thickness less than 10 m	
QUATERNARY	Qds: dune sand and silt; thickness less than 50 m Diluvium Qdl: loess, sandy loess, sand and clay; thickness less than 30 m	Diluvium is divided into Qds and Qdl. Qds consists of sand and silt that were deposited in fluvio-lacustrine basins of the Mongolian plateau during late Pleistocene to be subsequently exposed and wind-eroded. Qdl consists chiefly of loess and sandy loess interstratified with aeolian sand and clay.
TERTLARY	Neogene basalt Neogene basalt Neogene basalt Neogene basalt	Neogene basalt consists of superposed flows and sheets of augite-olivine basalt accompanied by tuff and sand. The basalt may have erupted during the period from Miocene to Pliocene to form the Mongolian plateau. The thickness locally attains several hundred meters.
MESOZOIC	Cretaceous rhyolite	Flows and sheets of rhyolite, accompanied by tuff and breccia, is distributed mainly on the west of the Luan Ho[梁 河], and may be several hundred meters thick.
	Cretaceous granite One of the control of the contr	Cretaceous granite, accompanied by granite porphyry and quartz porphyry, shows tabular joints. It intrudes the Jurassic rocks and is distributed in the southern part of the map area.
	Jurassic formation Sandstone, shale, tufface shale, conglomerate and thickness less than 1,00 UNCONFORMITY	coal; consists of sandstone, shale, tuffaceous shale, conglomerate, and thin coal seams. Old native coal pits are
	Jurassic volcanic complex Jurassic volcanic com	The Jurassic volcanic complex consists of flows and sheets of cryptocrystalline andesite, trachyte, propylitic and sheets, breccia, and variegated tuff and conglomerate. It corresponds to the lower Jehol formation which ranges from Uppermost Triassic to Lower Jurassic in age.
	(Column not drawn) to scale	

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