

Atlas of Specialized Maps of Central Kyzylkum Uranium-Bearing Province

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The atlas has been prepared in 1:500,000 scale for one of the largest world uranium-bearing province with the area of 180 Kkm². Central Kyzylkum province comprises main estimated and inferred uranium resources of Republic of Uzbekistan. Uranium deposits of the province belong to two types: "sandstone" and "black-shale" ones. A set of the specialised maps shows regularities of location of the main commercial type of uranium mineralization – "sandstone", connected with zones of stratum oxidation in the sedimentary cover. The atlas consists of 11 lithologic-paleogeographical maps (from Aptian to Upper Eocene), 10 lithologic-geochemical maps with data for uranium mineralization distribution (from Lower Albian to Upper Eocene), map of latest tectonic structures, hydrogeological and radio-hydrogeological maps of Upper Cretaceous, Paleozoic and Upper Pliocene-Pleistocene aquifers. Materials of atmogeochemical studies are presented in form of maps of gaseous fields of helium, hydrogen, methane and carbon dioxide. As a summarised data, a specialised geological map with uranium mineralization and lithologic-geochemical logs for uranium-bearing regions is presented.