

SUMMARY

Land subsurface structure, development and resources of Gelvonai environs

/GELVONAI

By Bronislavas Karmaza and Valentinas Baltrūnas

Geology and Geography Institute

Geology and mineral diggings of Gelvonai Township in the vicinities of Gelvonai Township showed that the local inhabitants long since had connection with geological environment, in particular by providing building materials, drinking ground water from springs and wells. Some geological objects were mythologized, used for cult, defensive and other needs. The district is characterized by the structure of the Earth's crust: all geological layers of our planet from the crystal basement that lies in the depth of 0.7 km, with stratified layers of different rocks containing fossils of ancient organisms in Cambrian, Ordovician, Silurian, Devonian, Jurassic, Cretaceous and Quaternary periods. The terrestrial surface, which is a consequence of activity of the last glacier by effects of melted waters, present rivers and other geological factors, contains small deposits of peat, gravel and sand.