

The deposit is located in Transcarpathian region 75 km to the East from Uzhgorod in a picturesque mountain country.

Geological structure of the deposit is the following:

- bed of rhythmically alternating argillite, aleurolite and sandstone of Paleogene age up to 1 000 m thick;
- loose Quaternary rocks up to 15 m thick.

The deposit is confined to the dislocation of a fault type.

Three aquifers were discovered:

- the 1st one of verkhovodka (top water) type is confined to watersheds and slopes of massifs. It is located in clayish deluvial sediments at the depth of 0.5—2 metres; thickness does not exceed 1-2 metres. This type feeds springs with 0.01—0.1 l/s yield, more rarely with 0.25 l/s one. Waters are chloride-hydrocarbonate calcium-sodium and sodium-calcium with 0.02-0.05 g/dm³ mineralization;
- the 2nd one is located in the weathering crust of clayish sediments at the depth of 2.5 m; its thickness totals 50 m. Yield of wells equals 0.8 l/s when 22 m fall of water surface. Waters are hydrocarbonate magnesium-sodium with 0.25 g/dm³ mineralization;
- the 3rd one is confined to the tectonic breccia and fissured sandstone at the depth that vary from 1 to 60 m. Fractured zone is 70—100 m thick, yield of wells ranges from 1.2 to 3.4 l/s, when 9-41 m fall of water surface, levels vary from 0.9 m below to 10 m above the Earth surface. Waters are carbonic acid hydrocarbonate with mixed cation composition and 0.7-1.8 g/dm³ mineralization; they are cold (9-12°C) and weakly acidic (pH 6.1—6.9). The main biologically active element is two-valent iron (0.018-0.043 g/dm³) in the presence of free carbonic acid (2.0-3.6 g/dm³).

Confirmed water reserves total 207 m³/24 hours and indicated ones amount to 294 m³/24 hours.

These waters can be:

- utilized internally for chronic cholecystitis, gastritis, anaemia, stomach ulcer, metabolism and blood diseases;
- used as curative bath for heart-vessel diseases and functional nervous disorders;
- utilized for bottling (iron being stabilized with ascorbic acid or by saturation of water with carbonic acid under pressure).

When complex construction, it is necessary to foresee all facilities including apartments for specialists and medical staff, sanitary protection zone and purification of domestic runoff.

The deposit is located at the territory of local collective farm; which will allow the construction of sanatoria and spa complex.

Asphalt highway crosses the territory of the deposit, the nearest railroad is at the distance of 23 km.

The unique carbon acid ferrous waters that has no analogues beyond the borders of the Ukraine, the extremely beautiful landscapes of the Ukrainian Carpathians and rich nature (one can find up to 2000 species of plants here), terrific mountain air of - 3 — -7.5°C in January and up to 30°C in July guarantee a success of Joint Venture construction and exploitation of the top-class sanatoria and spa complex.