



Quantitative-qualitative characteristics of salt deposit in Tuzla basin

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In the northeastern part of Bosnia and Herzegovina, on the southern slopes of the mountain Majevica, in Tuzla basin, within salt-bearing formation known as the "strip series," deposits of rock salt are present.

Tuzla rock salt deposit is made of sodium salt halite (NaCl) and thenardite (Na₂SO₄) that were deposited in five series of salt each separated by dolomite, clay-marl sediments. The deposit has an irregular oval shape, with a short axis length of 600-900 m and longer, about 2500 m. It covers an area of approximately 2 km².

The main objective of this paper is to present for both deposits their morphological characteristics, mineralogical characteristics, lithofacial characteristics of sediments and lithostratigraphic column, hydrogeological characteristics, tectonics and salt reserves through quality, classification, categorization and calculation.