



Engineering geological mapping for the seismic microzoning of Saranda town, Albania

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Abstract: This paper is a summary of engineering geology mapping on scale 1: 10 000 carried out in the Saranda town, for seismic for urban development and microzoning purposes. The studied area is located in southwest of Albania. Litologically, it's built by the limestones, flysch, sands and silty clay deposits. Whereas, from geomorphological point of view, the urban area is represented from flat geomorphological and hills units. On the other hand, from the hydrological investigation results that underground water table in flat area is shallow and hills area is deep, as well as, it's good chemical properties. According to geotechnical properties, the studied area is built from hard rocks-limestones, soft rocks – flyschs, combination of claystones and sands, silty clays soils. The engineering geology mapping is based on several criteria as lithology, morphology, hydrogeology, geodynamic phenomena and physical-mechanical properties. So, base on these criteria, the urban area is classified in five engineering geological zones and fourteen engineering geological sites. In the end are given conclusion.

Keywords: *sands, limestones, flyschs, engineering geological zoning,*

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