



Ангел Кунов, Янаки Тенчов - Отново за района на с. Песочница, Берковско - Песочнишка свита или част от диабазово-филитоидния комплекс

A. Kunov, Y. Tenchov – Again for the region of Pesochnitsa village, Berkovitsa district - Pesochnitsa Formation or a part of the Diabase-phyllitoid Complex

Abstract. Str. Dimitrov (Димитров, 1927) indicated the outcrops of the diabase-phyllitoid complex (DFC) in the region of the village Pesochnitsa - about 15 km to the north-east of the town of Berkovitsa, North-West Bulgaria. On the South they are in tectonic contact with the Mezdrea Pluton, apophyses of which cut the outcrops to the north. The petrographic observations, though a few, indicate that the rocks are slightly metamorphic, as are that of DFC. Gochev et al. (Гочев и др., 1963) accepted that the rocks are not altered and are younger than the Mezdrea Pluton, so they separate the rocks from DFC and created a new lithostratigraphic unit named Pesochnitsa Formation. They did not present any petrographic data and considered the sediments limestones, sandstones and claystones. Kunov (Кунов, 1974) observed sericite in all rock varieties and maintained that they are part of the DFC.

Both authors visited the outcrops during 1994 and collected samples from the main rock types. Petrographically all of them belong to slightly metamorphic varieties. Unaltered rocks had not been observed. A comparison with the lithostratigraphic division established by Haidutov et al. (1979) indicates the possibility that several formations from the ones established in Berkovitsa region are presented in Pesochnitsa area. The outcrops near Pesochnitsa are disrupted by frequent tectonic disturbances and the division provided near Berkovitsa can not be applied in the region discussed. In Pesochnitsa village region there is no real body of unaltered rocks that are younger than Mezdrea Pluton.

The authors provide rock pieces sampling of the main presented rock types including quartz-sulphide veins. The chemical analysis indicates among other things that Cu is presented up to 100 ppm; Ag up to 1.5 g/t; Au - from 0.04 up to 1.41 g/t. They indicate ore-bearing possibility of the locality.