

Preview of the metamorphic sole at Kaynarca, Turkey

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We briefly report the metamorphic sole beneath the Ophiolite in the Kaynarca area, Turkey. Metabasites and metacherts are the main lithology and they were metamorphosed to greenschist - amphibolite facies. Garnet amphibolites occur in the contact area between the peridotites and the metamorphic sole. The metabasites are unique because they sometimes contain alkali-amphiboles which are the sign of high pressure metamorphism. We report deformation features of the metamorphic sole, especially the degree of lineation.