

Indices of Mineralization In The North - East Arsanjan Ophiolite Complex With Special Reference To Listvenitization

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Abstract : The north - east Arsanjan ophiolite complex is part of the Neyriz ophiolite complex located 24 km north - east of Arsanjan in the south - eastern part of the Zagros range . In 1:250,000 geologic map of Shiraz, this complex has been considered as an ultramafic complex, however, it is principally represented by serpentized harzburgite and dunite, basalt, metadolerite, spilite, limestone, radiolarian chert, dolostone, sedimentary breccia, and listvenites which are reported for the first time from the outer Zagros ophiolite belt in this article.

Economic mineral indications in this region can be divided into two groups : 1) primary magmatic deposits which include chromite and platinum group elements , and 2) secondary deposits which are produced due to alteration, and include listvenites and talc.