

IS SITKE A NEW LOCALITY OF PERIDOTITE XENOLITHS IN HUNGARY? COMMENTS ON THE PAPER "TEXTURAL FEATURES AND MODES OF ULTRAMAFIC XENOLITHES FROM SITKE, LITTLE PLAIN (HUNGARY)" BY CS. SZABO AND O. VASELLI

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In this paper, SZABÓ and VASELLI, (1989) describe the texture of a series of peridotite xenoliths from Sitke as being distinct from the xenoliths of Gérce studied or at least mentioned in a number of papers by EMBEY-ISZTIN, (1976, 1978, 1984), EMBEY-ISZTIN *et al.* (1989, 1990) and DOWNES *et al.* (1992). In the region there is *only one* locality yielding relatively fresh mantle xenoliths, and this is the tuff ring exposed by a large and several smaller quarries near the villages of Gérce and Sitke as correctly shown by SZABÓ and VASELLI (1989) in their *Fig. 2*. Since the large quarry inside the tuff ring, which is the best place to find xenoliths, is situated somewhat nearer to Gérce (2 km) than to Sitke (2.3 km), Gérce rather than Sitke was used to designate the locality with the exception of my first paper (EMBEY-ISZTIN 1976) where the name of Sitke, and another paper (EMBEY-ISZTIN 1978) in which Gérce-Sitke (!) was used. Consequently, there can be no doubt that the locality of Sitke is identical with that of Gérce.

There is, however, another piece of evidence pointing to this conclusion. This is the result of the textural analysis of SZABÓ and VASELLI showing that porphyroclastic textures prevail in the Sitke (=Gérce) mantle xenoliths and they occasionally exhibit transitional features towards equigranular texture. However, this is not new either and it is in perfect agreement with former results (EMBEY-ISZTIN 1978, 1984, 1989), even if SZABÓ and VASELLI (1989, page 73) surprisingly state that "EMBEY-ISZTIN (1978) described xenoliths have protogranular-porphyroclastic transitional texture, but we have not recognized this type yet." In fact, the last description was used to characterize xenoliths of Szentbékálla and Szigliget. As far as Gérce xenoliths are concerned, EMBEY-ISZTIN, (1984, page 31) unequivocally confirms that "The overwhelming majority (81%) of these peridotites have porphyroclastic texture (e.g. G—1002, *Fig. 2*)."

REFERENCES

- DOWNER, H., EMBEY-ISZTIN, A. and THIRLWALL, M. F. in (1992): Petrology and geochemistry of spinel peridotite xenoliths from Hungary: evidence from an association between enrichment and deformation in the upper mantle. *Contrib. Mineral. Petrol.* **109**, 340–354.

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