

Re-Os and Sm-Nd isotopic systematics of cherts and basaltic komatiites in Pilbara, NW Australia

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Re-Os and Sm-Nd have been analyzed for Pilbara basaltic komatiites and cherts. The results suggest involvement of crustal materials in formation of basaltic komatiites. The initial $^{187}\text{Os}/^{188}\text{Os}$ ratio of banded chert indicate the contribution of crustal material to chert formation.