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摘要:

布青山蛇绿混杂岩位于阿尼玛卿带西段, 它是由早古生代和早石炭世—早二叠世两期蛇绿岩组成的复合蛇绿岩以方辉橄榄为主, 高镁,  $\Sigma$  PEE是球粒陨石的0.2—0.65倍, HREE是球粒陨石的0.28—0.32倍, 属亏损洋岩中辉长岩、辉绿岩和玄武岩等镁铁质岩主要具N—MORB性质, 少量具T—MORB性质。早石炭世—早二叠世蛇绿岩质、少量具T—MORB性质。它们均形成于洋中脊环境。本区曾存在成熟的早古生代洋盆和古特提斯洋盆, 有更复

关键词: [蛇绿岩](#) [地球化学](#) [古特提斯](#) [阿尼玛卿带](#) [形成环境](#) [玄武岩](#)

Geochemistry and Formation Environment of the Buqingshan Ophiolite Complex, Qinghai China [Download Fulltext](#)

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Abstract:

The Buqingshan ophiolite complex is located in the western sector of the A'nyemaqen ophiolite belt, East Kunlun orogen, Qinghai Province. It is a composite ophiolitic melange belt, consisting of Early Carboniferous-Early Permian ophiolite. The metaperidotites of the ophiolites with high Mg, the 2REE being 0.2-0.65 times that of chondrite, HREE 0.28-0.32 times that of depleted oceanic lithosphere mantle. The mafic rocks of the Early Palaeozoic ophiolite are mainly pillow lavas and massive basalts of the Early Carboniferous-Early Permian ophiolite are also main. They are all formed in oceanic ridge environments. The mature Palaeozoic oceanic basin and Palaeozoic oceanic basin exist in this area. This indicates that the A'nyemaqen and the southern ophiolite and tectonic melange belt have a longer evolution history than hitherto considered.

Keywords: [ophiolites](#) [geochemistry](#) [Qingling-Qilian-Kunlun Ocean](#) [Palaeotethys](#) [Buqingshan](#) [the A'nyemaqen](#)