

High-pressure metamorphic rocks in the Saih Hatat area, Sultanate of Oman

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The Saih Hatat area widely exhibits high-pressure type metamorphic rocks. They are mostly eclogites, blue-schists, quartz schists and marbles, and psammitic schists and conglomeratic schists also occur. The latter two lithologies show the detrital structures under the microscope. Magnitude of strain can be deduced by such structures. Marbles show many pressure fringes of calcite around pyrite grains. Deci-meter scale shear zones are sometimes observed at the outcrops.

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