

Eclogite in the Sambagawa metamorphic rocks to the south of the eastern Iratsu mass in the Besshi district, central Shikoku, Japan

Tsuyoshi Sakurai[1], Akira Takasu[2]

[1] Dept. Geosci., Shimane Univ, [2] Dept. Geoscience, Shimane Univ.

New occurrence of eclogite is reported from the Sambagawa metamorphic rocks to the south of the eastern Iratsu metagabbro mass in Nikubuchidani, Besshi district, central Shikoku. Eclogite-bearing basic schists occur as lenses or boudins in pelitic schist layer. The constituent minerals of the schists are mainly composed of Ca amphibole, garnet, epidote and albite. Omphacite occurs only as inclusion in garnet porphyroblasts. Symplectite of Ca amphibole and albite after omphacite is developed in the matrix. The eclogite mineralogy is retrograded into the epidote amphibolite facies.