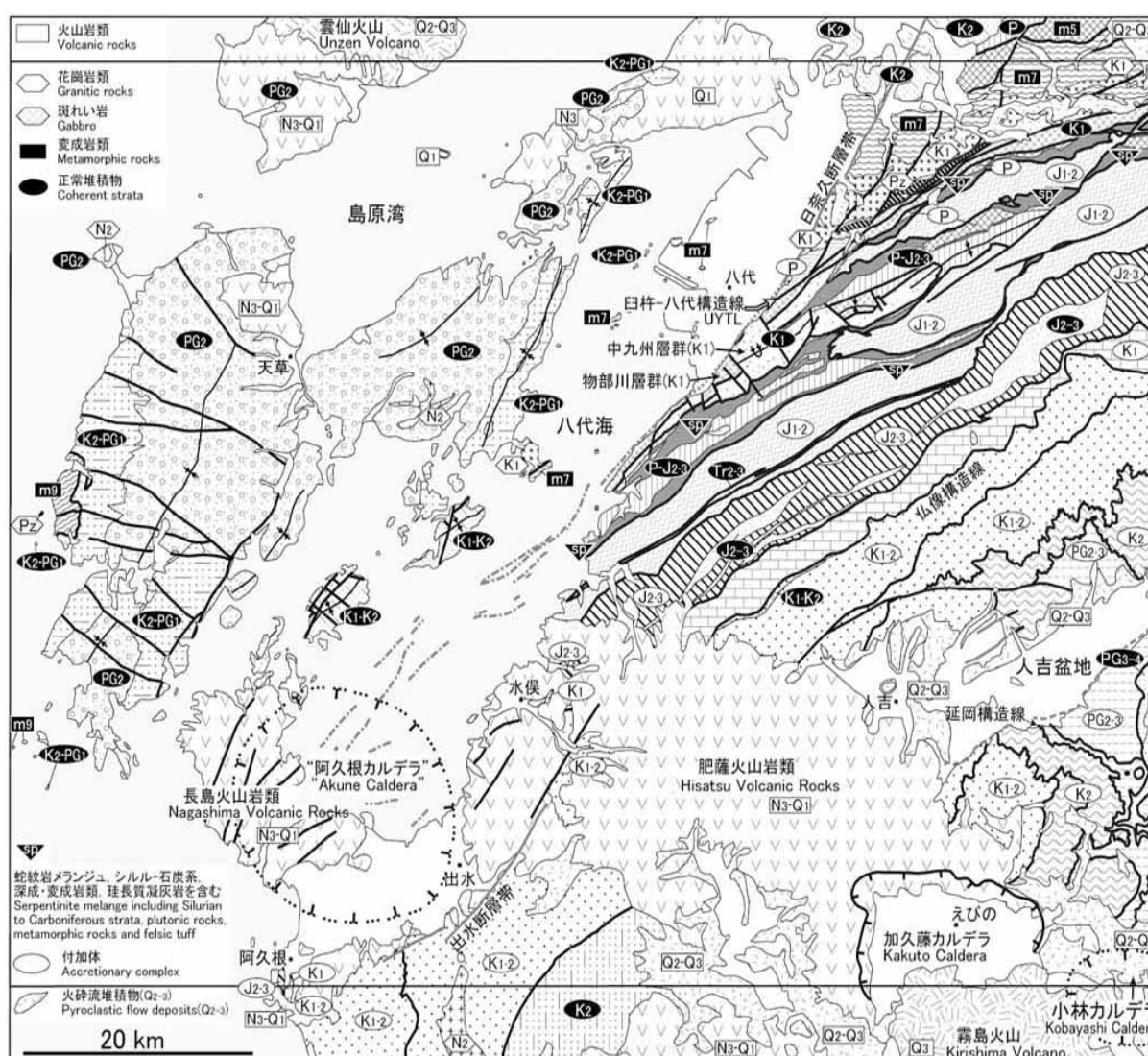


Topics of Geological Map of Japan 1:200,000, Yatsushiro and a part of Nomo Zaki - Pre-Neogene rocks and strata

Makoto Saito¹, Shinji Takarada¹, Seiichi Toshimitsu¹, Kiyohide Mizuno¹, Kazuhiro Miyazaki¹, Hideo Hoshizumi¹, Satoshi Hamasaki¹, Keiichi Sakaguchi¹, Tetsuji Ono¹, Yasuaki Murata¹

¹Geological Survey of Japan, AIST



斎藤ほか(2010) 1:200,000 「八代及び野母崎の一部」 Saito et al.(2010) 1:200,000 "Yatsushiro and a part of Nomo Zaki"

Publication of all sheets of Geological Map of Japan 1:200,000 completed by Geological Survey of Japan in March 2010. The old 1:200,000 geological maps published in 1950's and 1960's will be revised in future. This map was one of the last geological sheet maps of the national maintenance of 1:200,000 geological map. The reason was because many kinds of rocks and strata such as Late Cambrian to Quaternary were distributed extremely complicatedly in this geological map. After 1995, three Geological map of Japan 1:50,000 sheets have been published in and around this

district. These are "Tomochi" district (Saito et al, 2005) of northeast margin, "Shiibamura" district (Saito et al., 1996) of the southeastern side of Tomochi district, and the "Murasho" district of south side of Shiibamura district (Hara and Kimura, 2009). With these geological maps and the knowledge of rock or strata classification and geological structure in these maps, we could show the detailed distribution of rocks and strata, and the extensive geological structure in central to southeastern part of the Yatsushiro and a part of Nomo Zaki district.

The Geological Map of Japan sheets are not the geologic maps which showed specific strata and rocks. We argued repeatedly and made it to be able to explain all history of strata and rocks without contradiction. For example, we paid attention to the distribution and deformation of Neogene to Quaternary strata and rocks and gravity to recognize the Neogene to Quaternary deformation of pre-Neogene rocks and strata such as accretionary complexes.

As a result, we got the following interested results about pre-Neogene rocks and strata; 1) the distribution and classification of rocks and strata in "Kurosegawa" body, 2) the distribution of overlapping strata on Jurassic accretionary complex, 3) the geological structure and Neogene to Quaternary normal fault deformations of the Cretaceous to Paleogene accretionary complexes of the Shimanto Belt.

Keywords: Yatsushiro, geological map, 1:200,000, Tomochi, accretionary complex, Nomo Zaki