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Reconsideration of the historical eruption dates of Shinmoedake, Kirishima volcano group: Meiwa and Bunsei eruptions

Masaaki Tsutsui^{1*}, Tetsuo Kobayashi²

¹DIA Consultant Co., Ltd., ²Kagoshima University

It has been reported that the historical tephra of Shinmoedake are Kyoho pumice (Sm-KP: 1716-1717), Meiwa pumice (Sm-MP: 1771-1772), Bunsei pumice (Sm-BP: 1822), and Showa ash (Sm-SA: 1959) in ascending order (Imura and Kobayashi (1991). However, our geologic survey proved that the two pumice beds (Sm-MP and Sm-BP) are one of the members of Sm-KP. Hence, we reconsidered the documentary records of eruptions. The results are, 1) the eruption of 1771-1772 occurred at the different vent (Ohachi crater), and 2) the 1822 eruption occurred at Shinmoedake, but it was only a small phreatic eruption. The outline of the results are already reported in Tsutsui et al. (2005) and Tsutsui and Kobayashi (2008).

Keywords: Volcano, Eruption, Kirishima volcano group, Shinmoedake, historical eruption, documentary records