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Reexamination of distribution and eruptive history of the Izu Tobu Volcano Group (Higashi Izu Monogenetic Volcano Field)

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The Higashi Izu Monogenetic Volcano Field (HMVF) is a terrestrial part of the Izu Tobu Volcano Group, which is one of active volcanoes in Japan and is located on and off the east Izu Peninsula. The author made a field geological survey and revised the geological map and eruptive history of the HMVF. Several scoria cones and craters were newly discovered and their alignments were used for recognition of eruptive fissures, which show maximum horizontal azimuths of compressional stress. Several eruptive ages were reexamined and revised using tephrochronological methods. All these data were used and are to be used for geological maps for tourists (Koyama, 2009, Shizuoka Shimbunsha, and a new one to be published in 2010) of 1/25,000 scale.

Keywords: Izu Tobu Volcano Group, Higahi Izu Monogenetic Volcano Field, distribution, eruptive history, reexamination, geology