

Geologic map of the Higashi Izu monogenetic volcano field for tourists and local citizen

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A geologic map of the northeastern part of the Higashi Izu monogenetic volcano field (HIMVF) was made and published for general tourists and citizen. The HIMVF is a western terrestrial part of the Izu Tobu Volcano Group (ITVG), which is distributed in the eastern half of the Izu Peninsula and off the east coast of the Peninsula. Although the ITVG is one of active volcanoes of Japan and about 150 thousand people live in and around the ITVG, there is no official hazard map of the ITVG and thus no evacuation plan, which is based on a hazard map, does not exist. Moreover, the Izu Peninsula is one of the largest hot-spring resorts in Japan and thus education resource is needed for tourists and local citizen. The geologic map is wider-A2 sized and presents not only distributions of eruptive units but also various tourist information, such as hiking routes, places of parking lots and rest rooms, places of scenic beauty and historical interest. The back of the map presents scientific explanations of the Izu Peninsula and the ITVG, such as geologic history, geomorphology, kinds of volcanoes and their eruption styles, tephrochronology, tectonic implication of crater alignments, and volcanic risks and benefits. This map was made in collaboration with local officials, a nonprofit organization of local citizen, local newspaper offices, and a local university (Shizuoka University).