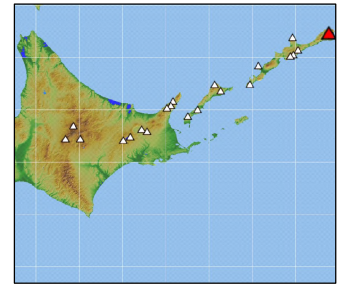


100. Moyorodake (Etorofu Island)

Latitude: 45°23'20" N, Longitude: 140°50'15" E, Elevation: 1,124 m (Measured by JMA)



Overview of Moyorodake, taken at the sea from east-by-northeast side. Courtesy of Ishizuka, Y.

Summary

Roughly to the east-west inside the Medvezhia caldera are the andesite and basalt (SiO_2 content is between 51.2 and 67.3 wt %) Medvezhia (Moyorodake: elevation 1124), Kudriavy (lozan: elevation 1113m), and Meenshoi Brat (Yakeyama: elevation 562m). Kudriavy currently exhibits fumarole activity. It is also known as Kudriavy.

Topographical Map

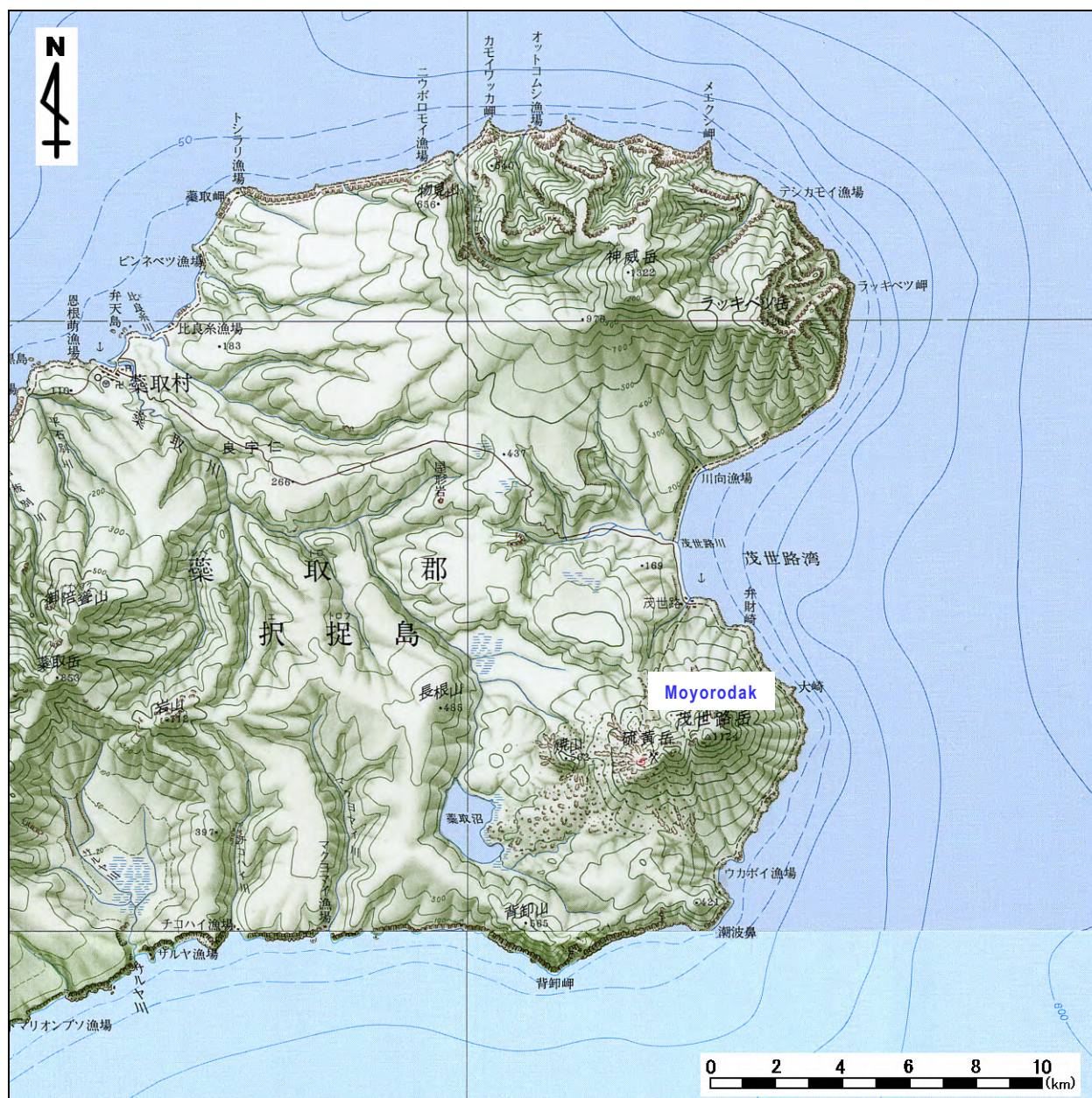


Figure 100-1 Topography of Moyorodake

1:200,000 scale regional maps (Bettobi and Shibetoro) published by the Geospatial Information Authority of Japan were used.

Chronology of Eruptions

▪ Historical Activity

Year	Phenomenon	Activity Sequence, Damages, etc.
1778 (or 1779) (An'ei 7)		Eruption.
1883 (Meiji 16)		Eruption.
1946 (Showa 21)	Phreatic eruption(?)	Eruption?
1958 (Showa 23)		Eruption.
1999 (Heisei 11)		Eruption from October 7 to October 13.

Recent Volcanic Activity

▪ Seismic Activity

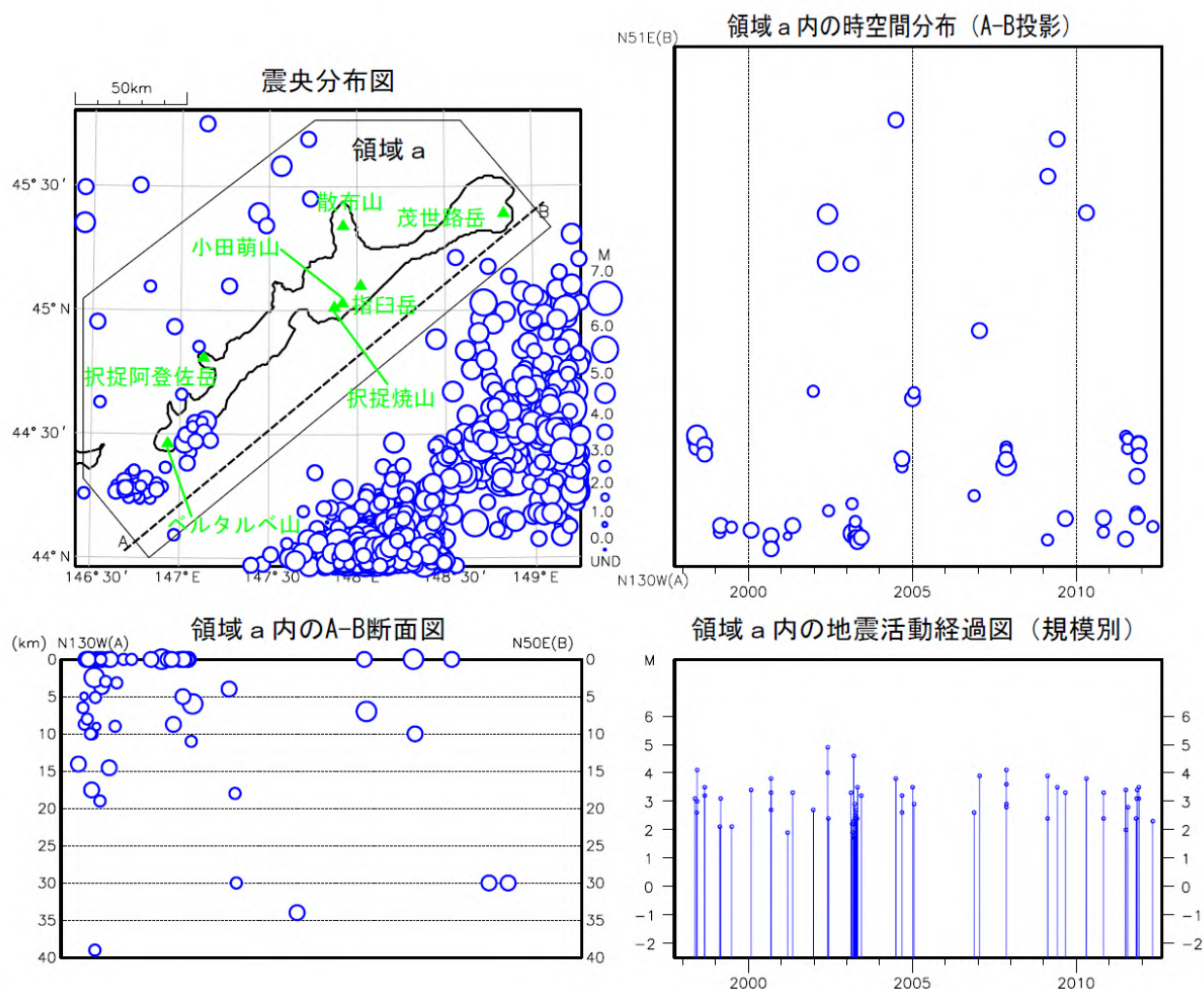


Figure 100-2 Etorofu Island seismic activity observed by wide area earthquake monitoring network (October, 1997, to June 30, 2012)

Information on Disaster Prevention

① Hazard Map

None

Bibliography

G Gorshkov, G. S. (1970) Volcanism and the upper mantle: investigations in the Kurile Island Arc. Plenum Press New York-London, 385p.

Global Volcanism Program, Volcanoes of the Kuril Islands. (Smithsonian Institution),

<http://www.volcano.si.edu/world/volcano.cfm?vnum=0900-10=>

Volcanoes of Russia, Medvezhia, Russland, (Jorgen S Aabech), <http://www.vulkaner.no/v/volcan/medvez.html>

(Nakagawa, M.)