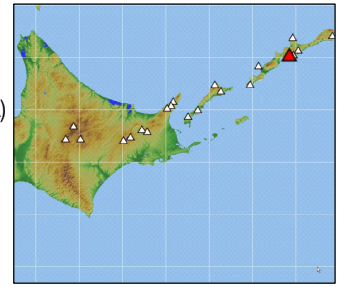


## 104. Etorofu-Yakeyama (Etorofu Island)

Latitude: 45°00'43" N, Longitude: 147°52'16" E, Elevation: 1,158 m (Measured by JMA)



Fumarole at the middle left from Etorofu-Yakeyama lava dome, with Eboshizan at the left), taken from the North on August 25, 2012. Courtesy of Nakagawa, M.

### Summary

This is a pyroxene andesite ( $\text{SiO}_2$  content is between 56.2 and 60.7 w% ) stratovolcano. There is a fumarole in the central cone. It is also known as Ivan Grozny or Kochirippusan.

## Topographical Map

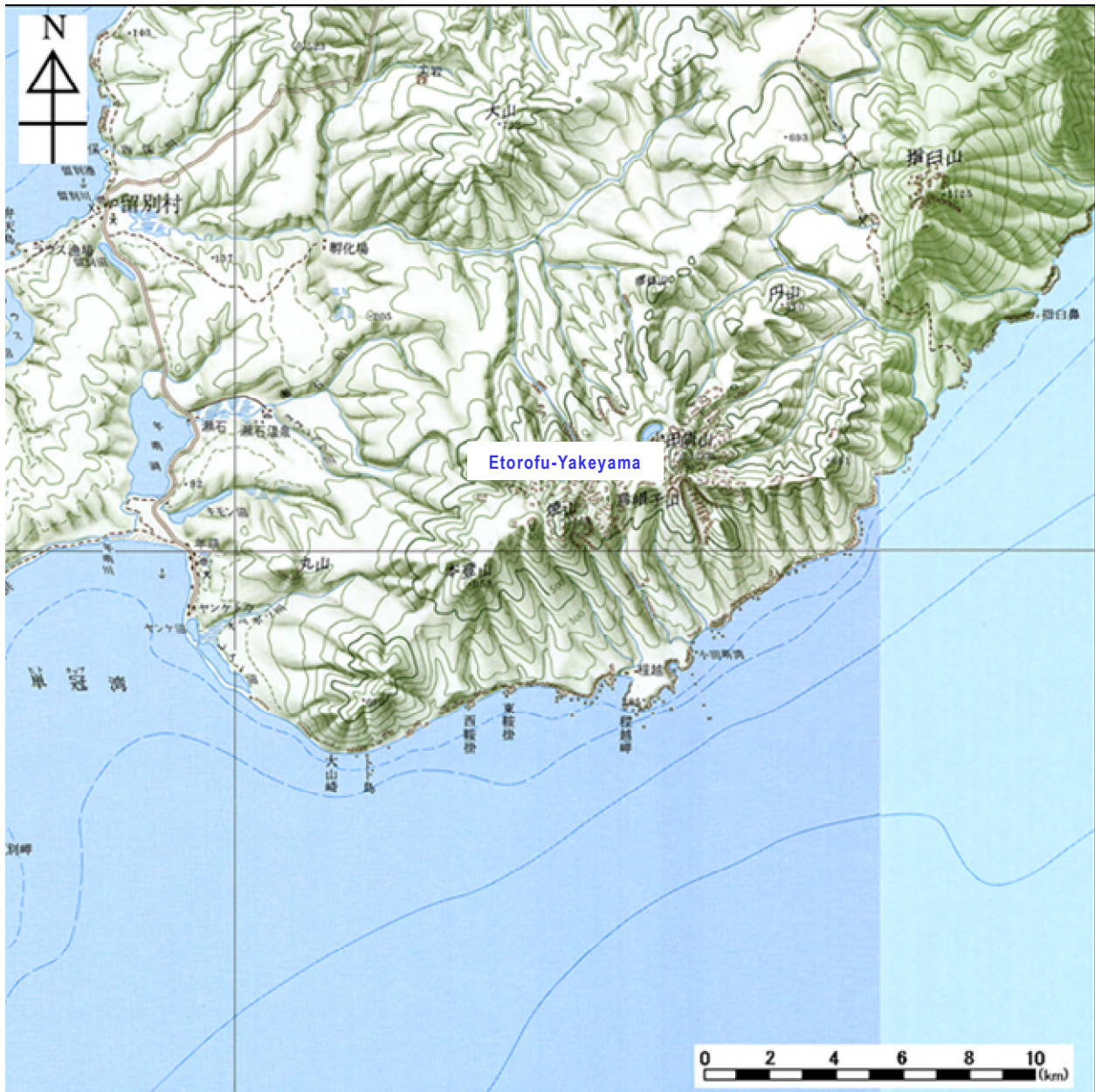


Figure 104-1 Topography of Etorofu-Yakeyama

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

## Chronology of Eruptions

### ▪ Historical Activity

Year	Phenomenon	Activity Sequence, Damages, etc.
1968 (Showa 43)	Eruption	February
1970 (Showa 45)	Eruption	
1973 (Showa 48)	Eruption	Small explosion at summit crater in early January.
	Explosion	Series of strong explosions at summit crater on May 16, and formation of a large crater.
1989 (Heisei 1)	Explosion	Explosions from May 3 to May 14, on June 19, and in early August, with a volcanic plume 2km high.
2012 (Heisei 24)	Eruption	Eruption from August 15 to August 26, with a volcanic plume 4 to 5km high.

## Photos



Etorofu-Yakeyama Eruption - Taken from North-northwest  
August 25, 2012 - Courtesy of Nakagawa, M.



Etorofu-Yakeyama Eruption - Taken from North  
August 26, 2012 - Courtesy of Nakagawa, M.

## Recent Earthquake Activity

See Moyorodake earthquake activity.

## Information on Disaster Prevention

① Hazard Map

None

## Bibliography

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

Simkin, T. and Siebert, L. (2010): *Volcanoes of the World* (3rd edition), Smithsonian Inst., Geoscience Press.

(Nakagawa, M.)