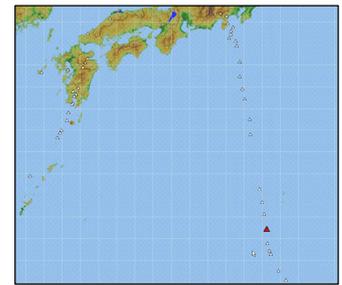


## 73. Funka Asane

Latitude: 25°27.3' N, Longitude: 141°14.3' E, Depth: -20 m  
(Center of Summit)



### Summary

Kita-loto is a basalt stratovolcano, but it has undergone severe erosion, and no records exist of eruptions, nor have fume ground heating phenomena been confirmed. Records exist of submarine eruptions in the sea 4 to 5 km northwest of the island, and fishermen call the area "Funka Asane". The area, together with the Kaitoku Seamount, is also called the "Kita-loto area submarine volcanoes".

### Submarine Topographic Map

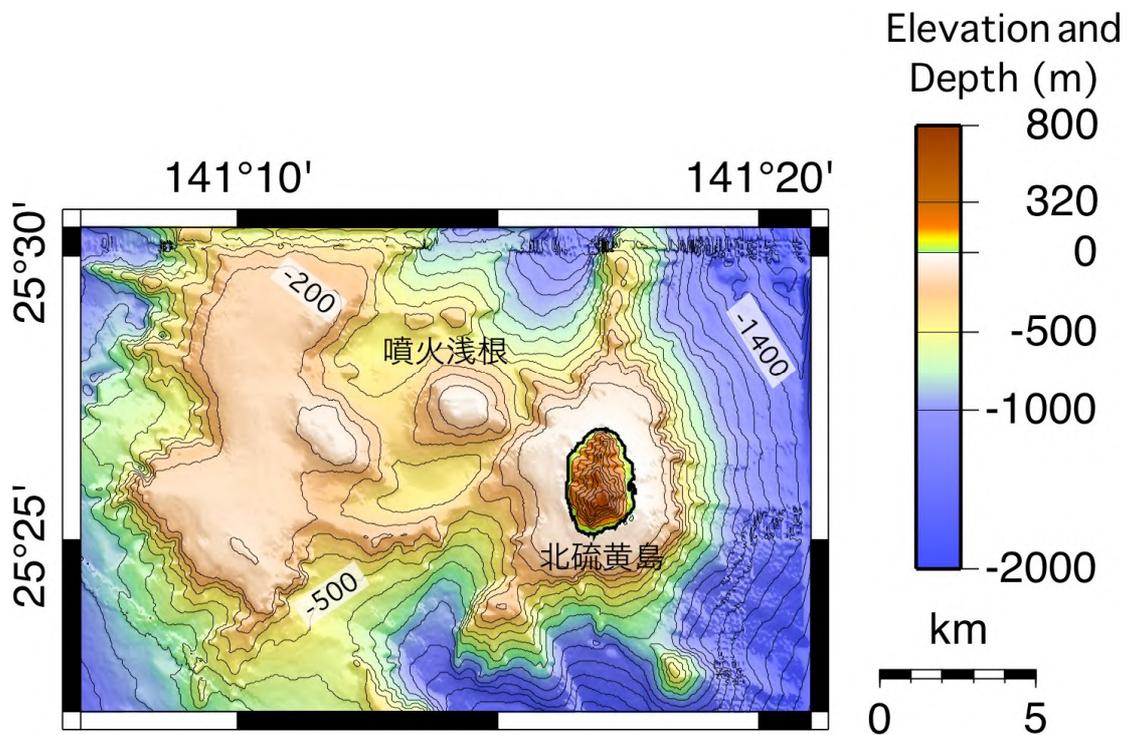


Figure 73-1 Submarine topographic map of the Funka Asane area (Japan Coast Guard).

## Geological Map

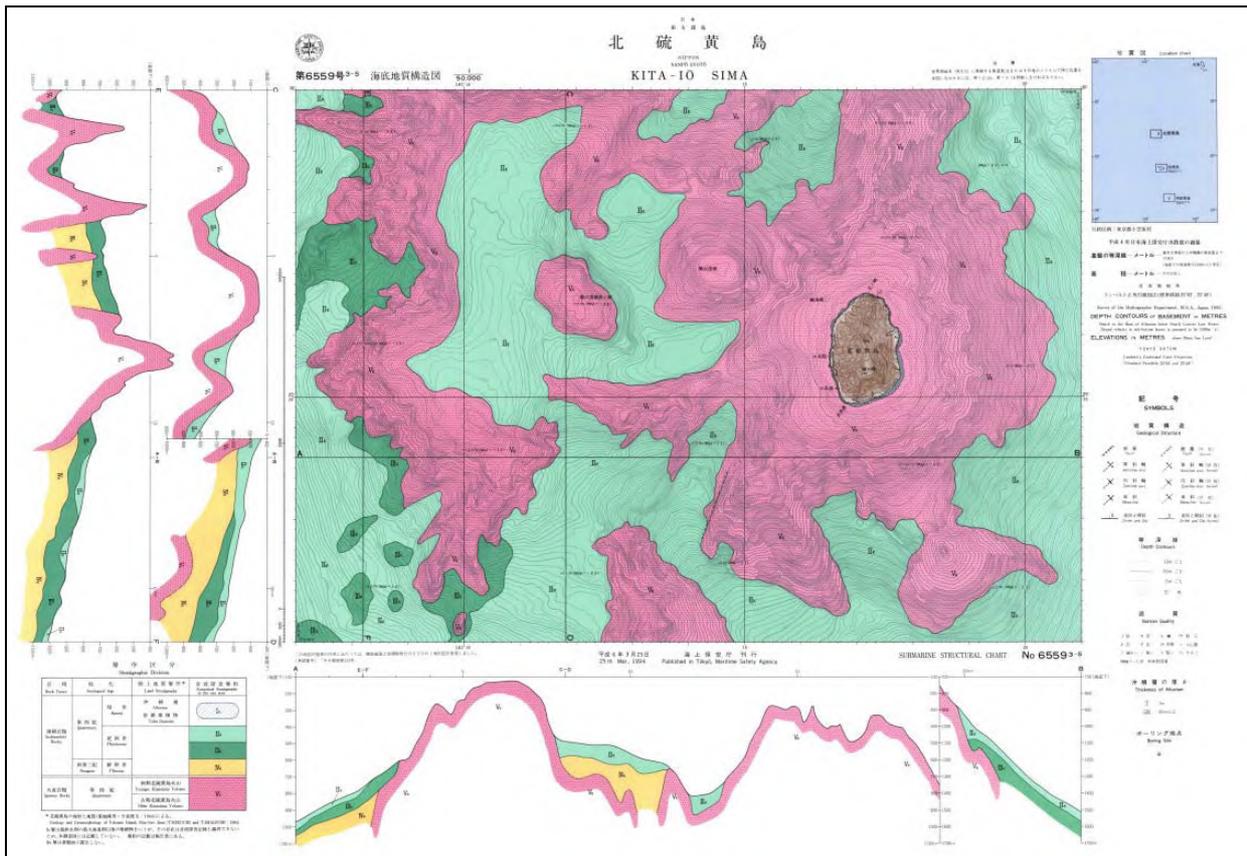


Figure 73-2 Tectonic diagram of Funka Asane (Maritime Safety Agency, 1994<sup>1</sup>).

## Chronology of Eruptions

### Historical Activity

Year	Phenomenon	Activity Sequence, Damages, etc.
1780 (An'ei 9)	Eruption	The eruptive activity occurred at Funka Asane.
1880 (Meiji 13)	Magmatic eruption or phreatomagmatic eruption?	The eruptive activity occurred at Funka Asane. Volcanic flames, accompanied by mud and ash, were discharged from beneath the sea.
1930 to 1945 (Showa 5 to 20)	Magmatic eruption or phreatomagmatic eruption?	The eruptive activity occurred at Funka Asane. Fishing boats observed 2 or 3 emissions each year, consisting of phenomena such as volcanic flames, volcanic plumes, water columns, and sulfur, mud, and pumice discharges.
1953 (Showa 28)	Discolored water	May. Whitening and sulfur smell.
1968 (Showa 43)	Discolored water	August.
1982 (Showa 57)	Discolored water	June.
1983 (Showa 58)	Discolored water	July.
1987 (Showa 62)	Discolored water	August.
1989 (Heisei 1)	Discolored water	July.
1997 (Heisei 9)	Discolored water	March 10.
1998 (Heisei 10)	Discolored water	May 21 and October 27. Funka Asane and the sea approximately 500 m to the southeast of Funka Asane.
1999 (Heisei 11)	Discolored water	September 7 and September 16.

Year	Phenomenon	Activity Sequence, Damages, etc.
2000 (Heisei 12)	Discolored water	January 25 to 26.
2000 (Heisei 12)	Discolored water	October 30.
2001 (Heisei 13)	Discolored water	October 29.
2002 (Heisei 14)	Discolored water	February 28.
2003 (Heisei 15)	Discolored water	March 10 and November 4.
2007 (Heisei 19) to 2012 (Heisei 24)	Discolored water, bubbling	Occasional sea water discoloration and bubbling were observed.

\* Reference documents have been appended with reference to volcanic periods, areas of activity, and eruption types taken from the Active Volcano Database of Japan, AIST (Kudo and Hoshizumi, 2006 onwards) and the Database of the Maritime and Submarine Volcanoes in Japan (Japan Coast Guard, 2006).

## Information on Disaster Prevention

### ① Hazard Map

None

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