

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

Ocean or Sea Northwest Pacific Ocean Name proposed Boso Canyon

Coordinates : A - of midpoint or summit : Lat. _____, Long. _____
_____ kilometres in _____ direction from _____

and/or B - extremities (if linear feature) :

Lat. 34°43' N } to { Lat. 34°30' N
Long. 140°00' E } } Long. 141°05' E

Description (kind of feature) : canyon

Identifying or categorizing characteristics (shape, dimensions, total relief, least depth, steepness, etc.):

This canyon is one of the many submarine channels that drain into the Sagami Trough as tributary channels. It is closely located to the southeast of the Boso Peninsula, near Tokyo. The canyon meanders and extends for ~ 110 km in WNW-ESE direction. The easternmost end of the canyon flows in Katsuura Basin. The depth of the canyon is ~ 2500 m in the western end, whereas ~ 6500 m in the eastern end at Katsuura Basin.

Associated features : Boso Peninsula

Chart reference :

Shown with name on chart No. _____

Shown but not named on chart No. Japanese chart No. 6603

Not shown but within area covered by chart No. _____

Reason for choice of name (if a person, state how associated with the feature to be named) :

The canyon is closely located to the southeast of the Boso Peninsula.

Discovery facts :

Date Although the basin was first mapped with Classic SeaBeam aboard S/V "Takuyo" in 1984, it was again mapped with the modern multi-beam technique on Nov. 2001, Feb. 2005, July 2005, Oct. 2006 and Sep. 2007. Note that old, single-beam data obtained by S/V "Shoyo" in 1975 also exist; the feature could only be recognized as an escarpment, instead of a canyon..

By means of (equipment) : Multibeam Echo Sounder SeaBeam 2112

Navigation used : GPS

Estimated positional accuracy in nautical miles : 0.054 miles (100 m)

Description of survey (track spacing, line crossing, grid network, etc.) : The canyon was 100 % mapped with grossly WNW-ESE-oriented survey lines.

Nature and repository of other survey activities (dredge samples, cores, magnetics, gravity, photographs, etc.) : Hydrographic and Oceanographic Department of Japan has geomagnetic and gravity data

Supporting material : enclose, if possible, a sketch map of the survey area, profiles of the features, etc., with reference to prior publication, if any : bathymetric map (Fig.2) and map of survey lines (Fig.3)

Submitted by : Hydrographic and Oceanographic Department of Japan

Date : 18 April 2008

Address : 5-3-1 Tsukiji, Chuo-ku, Tokyo 104-0045, Japan

Concurred in by (if applicable) : _____

Address : _____

National Authority (if any) : Japanese Committee on Undersea Feature Names

Address : 5-3-1 Tsukiji, Chuo-ku, Tokyo 104-0045, Japan

NOTE : This form should be forwarded, when completed :

- a) **If the undersea feature is located in territorial waters :-**
to your "National Authority for Approval of Undersea Feature Names" or, if this does not exist or is not known, either to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission (see addresses below);
- b) **If the undersea feature is located in international waters :-**
to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission, at the following addresses :

International Hydrographic Bureau
4, quai Antoine 1^{er}
B.P. 445
MC 98011 MONACO CEDEX
Principality of MONACO
Fax: +377 93 10 81 40
E-mail: info@ihb.mc

Intergovernmental Oceanographic Commission
UNESCO
Place de Fontenoy
75700 PARIS
FRANCE
Fax: +33 1 45 68 58 12
E-mail : info@unesco.org

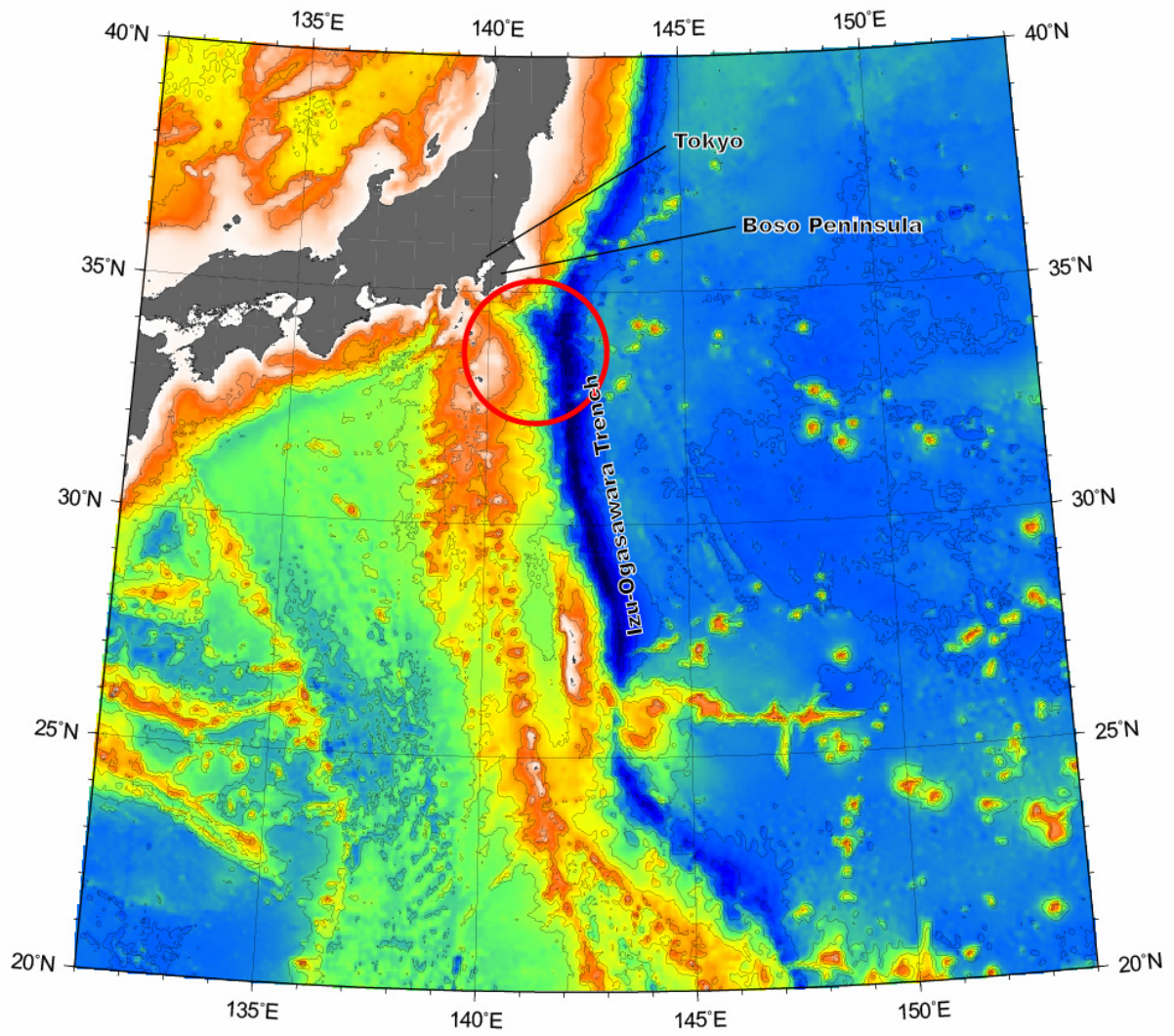


Fig. 1. Index map for the undersea features near the Boso Peninsula, using the bathymetry data of ETOPO-2. The red circle indicates the concerned area.

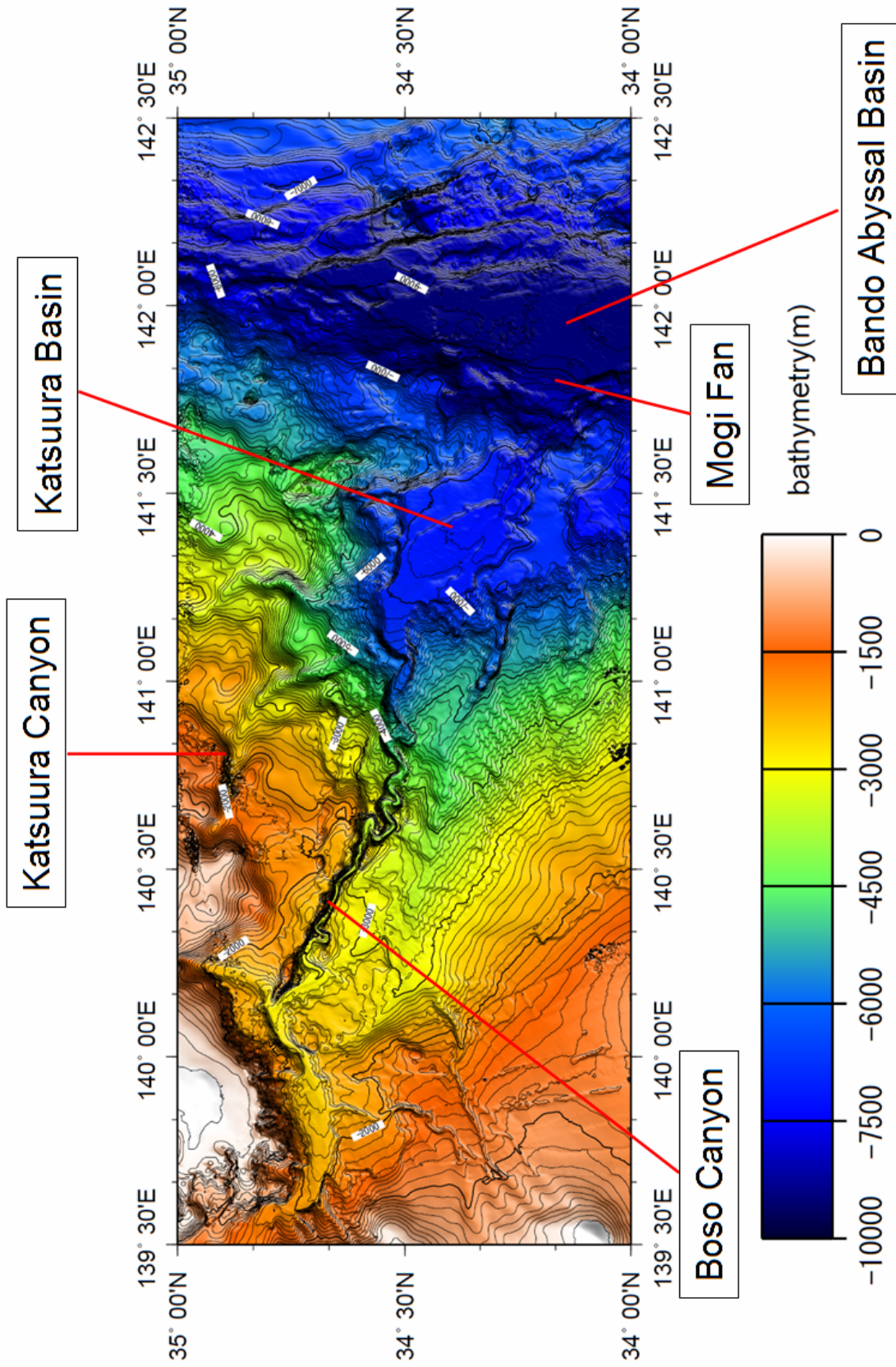


Fig. 2. Bathymetry of the undersea features near the Boso Peninsula. Contours in 100 m.

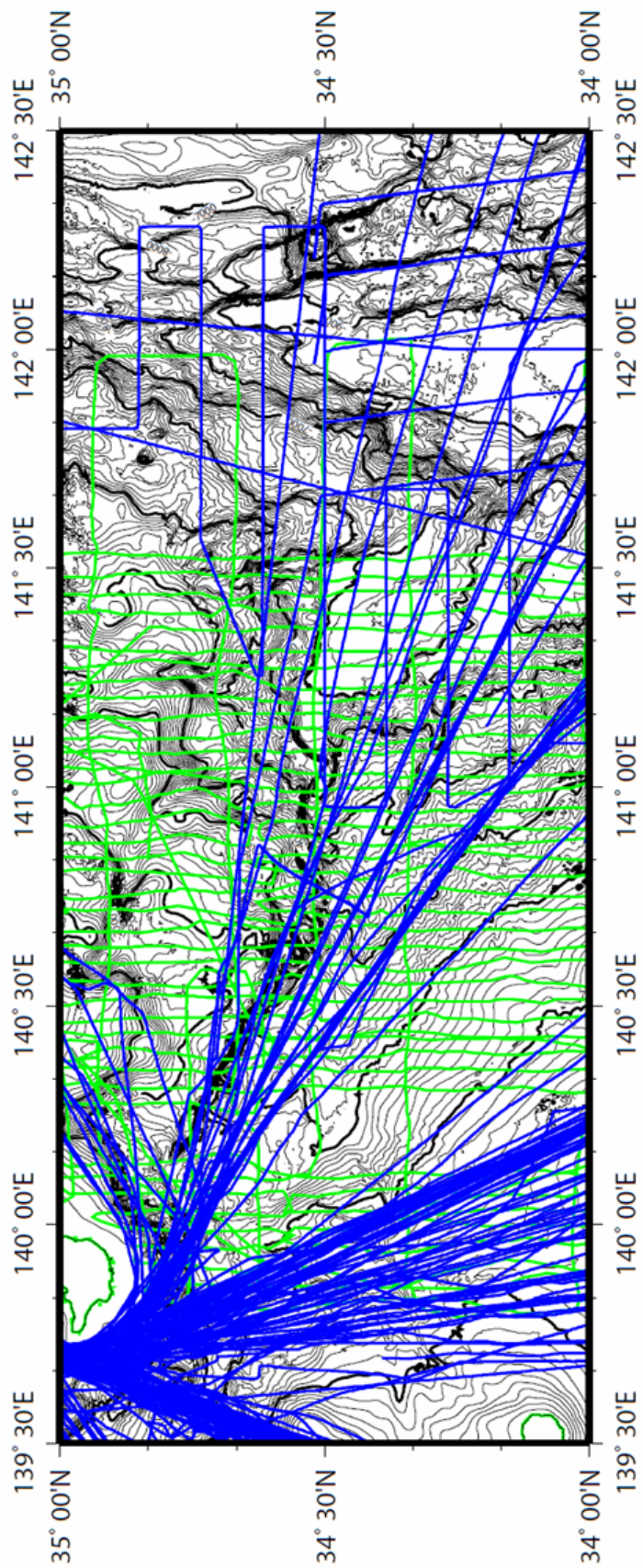


Fig. 3. Bathymetry of the undersea features near the Boso Peninsula, showing the track lines. Contours in 100 m. Tracklines in green are old single-beam surveys in 1975.