INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

IHO/IOC Form No. 1

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

Ocean or Sea Northwest Pacific Ocean Name proposed Katsuura Basin

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

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

Lat. <u>34°12' N</u>	} to	{	Lat. <u>34°30' N</u>
Long. <u>141°35' E</u>			Long. <u>141°15' E</u>

Description (kind of feature) : basin

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

This basin is located at the mouth of Boso Canyon. The basin has an oval shape, and its length of the elongated axis is \sim 55 km.

Associated features : Boso Canyon

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 basin is named after the city of Katsuura, a famous fishery town in the Boso Peninsula.

Discovery facts :

Date <u>Although the basin was first mapped with Classic SeaBeam aboard S/V "Takuyo" in 1984, it was</u> 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.

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.) : <u>The basin was 100 % mapped with</u> grossly WNW-ESE-oriented survey lines as well as E-W survey lines.

Nature and repository of other survey activities (dredge samples, cores, magnetics, gravity,

photographs, etc.) : <u>Hydrographic and Oceanographic of Department Japan has geomagnetic and gravity</u> <u>data</u>

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 <u>Principality of MONACO</u> Fax: +377 93 10 81 40 E-mail: <u>info@ihb.mc</u> Intergovernmental Oceanographic Commission UNESCO Place de Fontenoy 75700 PARIS <u>FRANCE</u> Fax: +33 1 45 68 58 12 E-mail : <u>info@unesco.org</u>

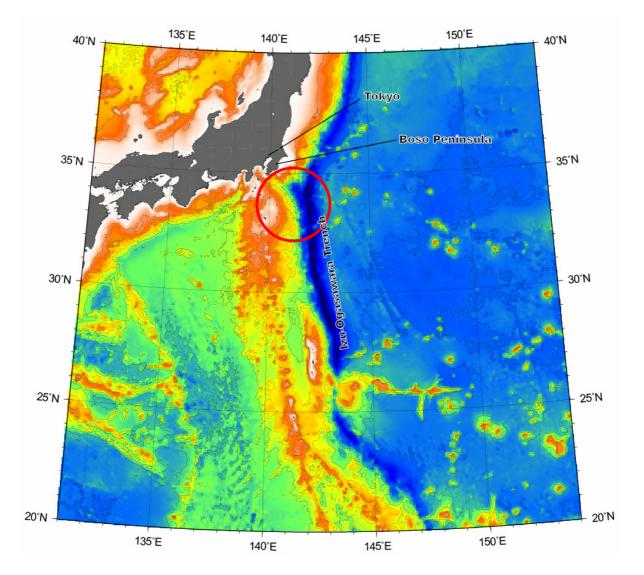


Fig. 1. Index map for the undersea features near the Boso Peniunsula, using the bathymetry data of ETOPO-2. The red circle indicates the concerned area.

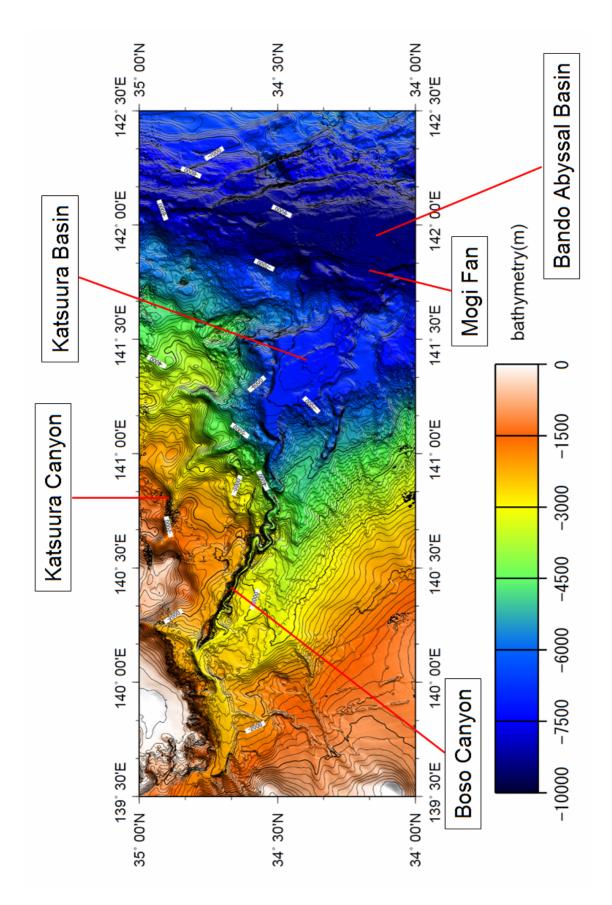


Fig. 2. Bathymetry of the undersea features near the Boso Peninsula. Contours in 100 m.

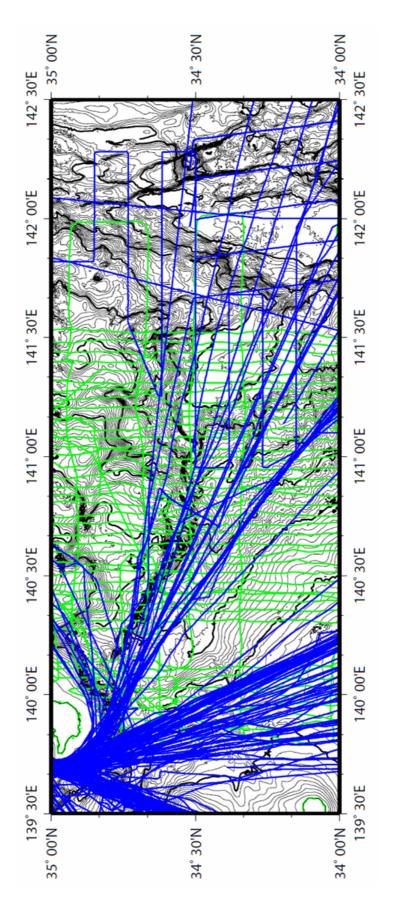


Fig. 3. Bathymetry of the undersea features near the Boso Peninsula, showing the track lines. Contours in 100 m. Tracklines in green are old single-beam surverys in 1975.