

**UNDERSEA FEATURE NAME PROPOSAL**

(See NOTE overleaf)

Ocean or Sea Japan Sea Name proposed Toyama Deep Seachannel

Coordinates : A - of midpoint or summit : Lat. \_\_\_\_\_, Long. \_\_\_\_\_

\_\_\_\_\_ kilometres in \_\_\_\_\_ direction from \_\_\_\_\_

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

Lat. 37-15N } to { Lat. 40-50N  
Long. 137-35E } to { Long. 137-00E

Description (kind of feature) : seachannel

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

**The Toyama Deep Seachannel (TDSC) is a prominent bathymetric features in the Japan Sea. TDSC starts from Toyama Bay and extends for 750 km trough the Toyama Trough to the Yamato and Japan Basins. TDSC is fed with sediment from the 3000-m-high on land mountains (the Japan Alps). Grossly, the gradient of the seachannel changes at 38°40'N; it flows gently further north. Accompanying with this gradient change, TDSC feeds the terminal Toyama Deep Sea Fan at 38°40'N.**

Associated features : Toyama Deep Sea Fan

Chart reference :

Shown with name on chart No. Japanese Chart No.6312

Shown but not named on chart No. \_\_\_\_\_

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 name "Toyama" refers to a large city located on the Sea of Japan side of the Honshu Island, Japan.**

Discovery facts :

Date September 1998 by (individuals or ship) The Japanese survey vessel "Meiyo"

By means of (equipment) : Multi-beam Echosounder SEABEAM 2000

Navigation used : GPS

Estimated positional accuracy in nautical miles : +/- 30m

Description of survey (track spacing, line crossing, grid network, etc.) : \_\_\_\_\_

**E-W survey lines with track spacing at 1-2 miles.**

Nature and repository of other survey activities (dredge samples, cores, magnetics, gravity, photographs, etc.) : \_\_\_\_\_

**Ocean Research Institute of the University of Tokyo has sound image data of the SYS 9 sidescan sonar IZANAGI.**

Supporting material : enclose, if possible, a sketch map of the survey area, profiles of the features, etc.,

with reference to prior publication, if any : \_\_\_\_\_

**Nakajima, T., Satoh, M., and Okamura, Y., 1988, Channel-levee complexes, terminal deep-sea fan and sediment wave fields associated with the Toyama Deep-Sea channel system in the Japan Sea, Marine Geology, 147, 25-41.**

**Mogi, A., 1979, An atlas of the sea floor around Japan: aspect of submarine geomorphology, PP96, University of Tokyo Press, Tokyo, Japan**

**Ludwig, W.J., Murauchi, S., and Houts, R.E., 1975, Sediments and structure of the Japan Sea, Geological Society of America Bulletin, 86, 651-664.**

Submitted by : **Japanese Committee on Undersea Feature Names**

Date : **8 June 2007**

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<sup>er</sup>  
B.P. 445  
MC 98011 MONACO CEDEX  
Principality of MONACO  
Fax: +377 93 10 81 40  
E-mail: [info@ihb.mc](mailto: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](mailto:info@unesco.org)

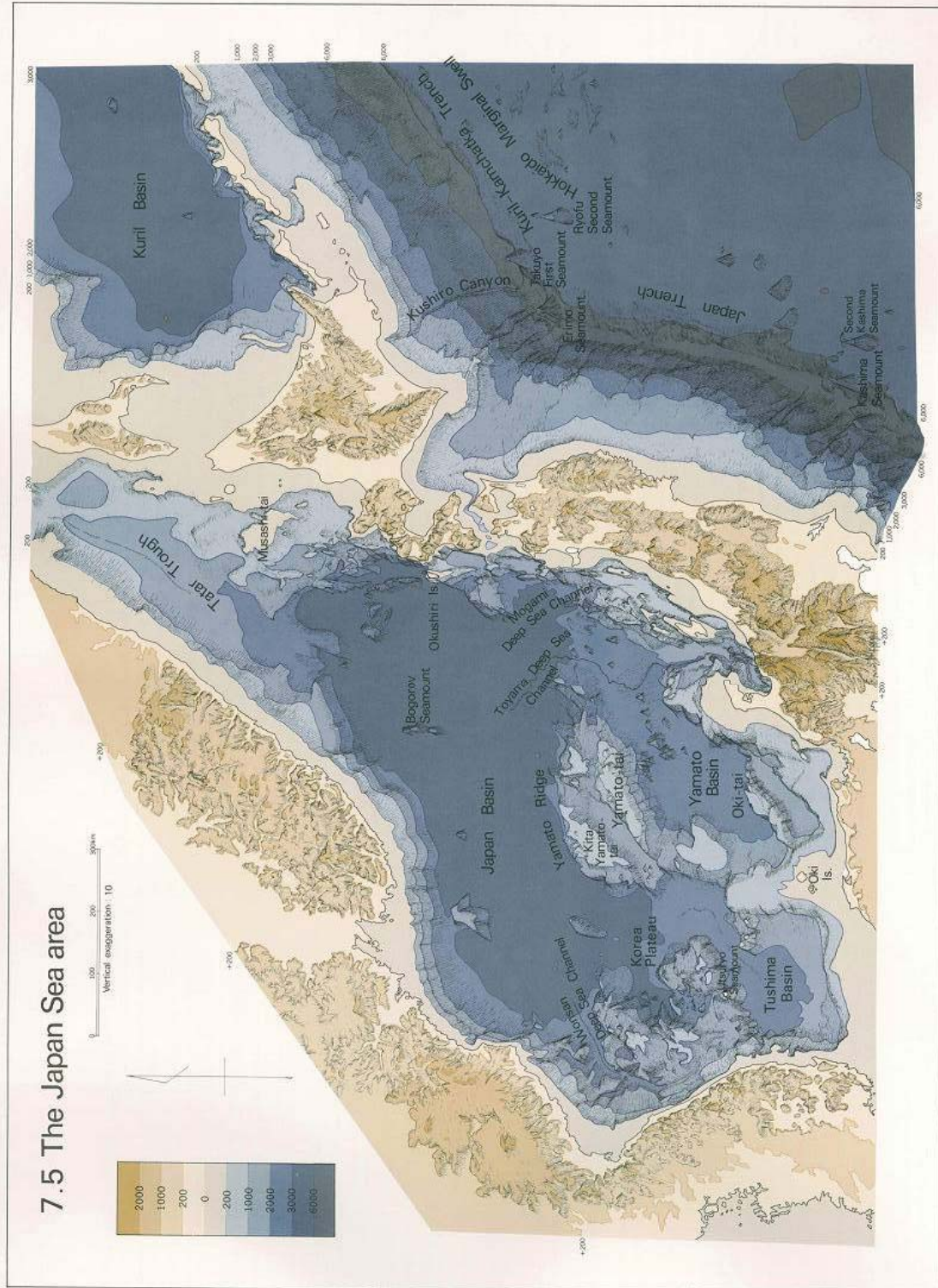


Fig. 1. Schematic index map for the Japan Sea area taken from Mogi (1979).

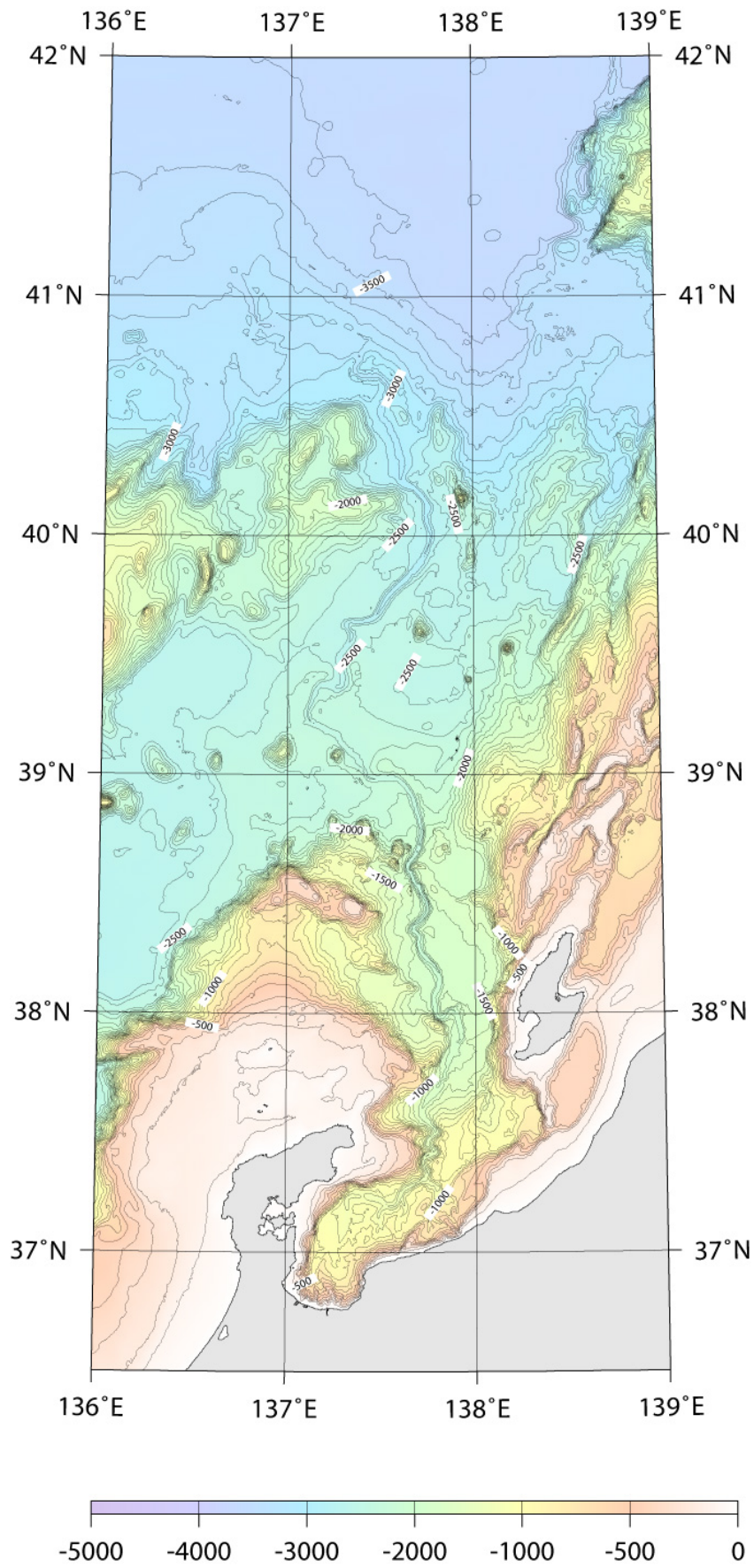


Fig. 2. Color bathymetric map of Toyama Deep Seachannel and Toyama Deep Sea Fan. Contours in 100 m.

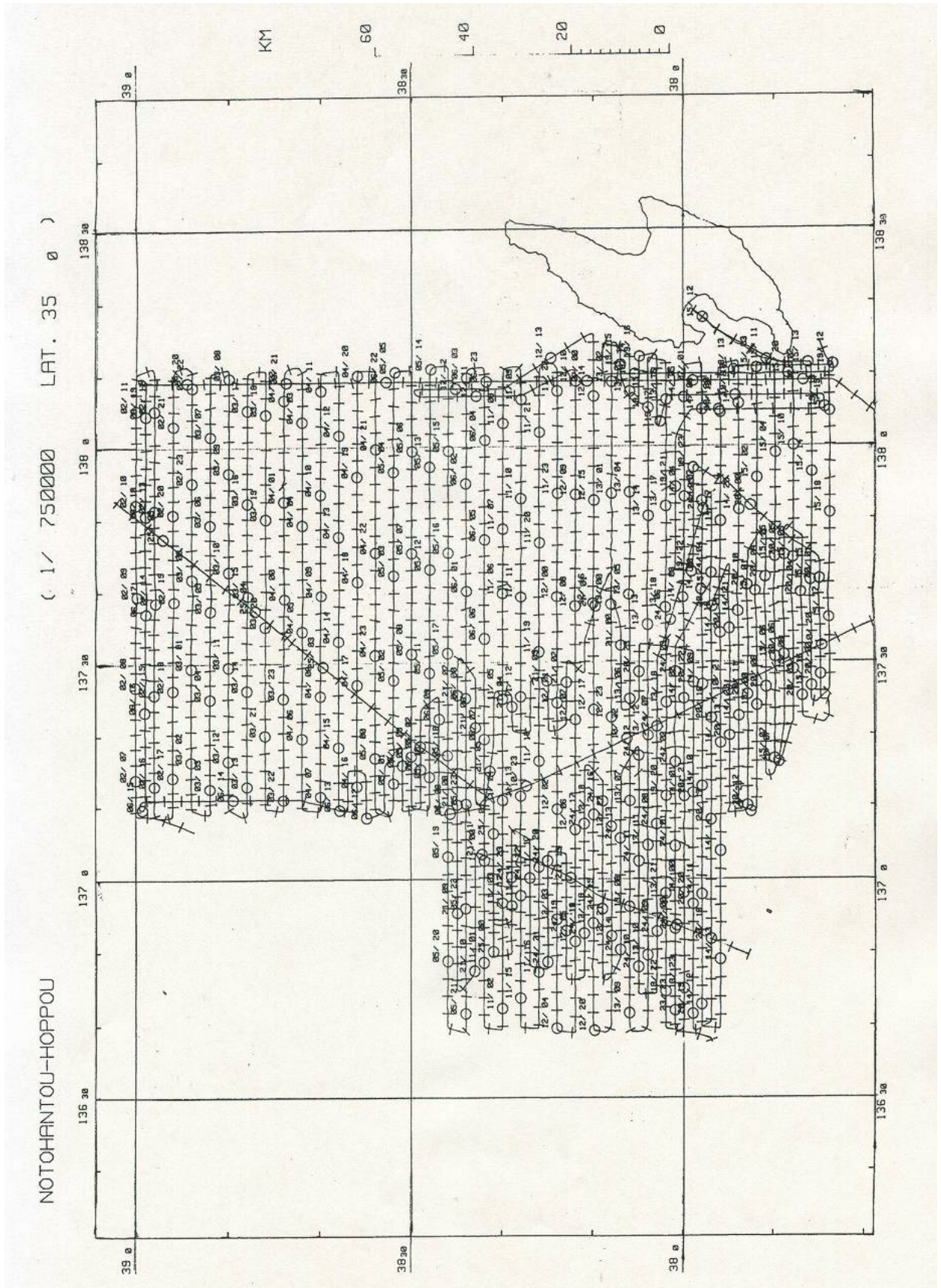


Fig. 3a. Track chart of the Toyama Deep Seachannel and Toyama Deep Sea Fan area.

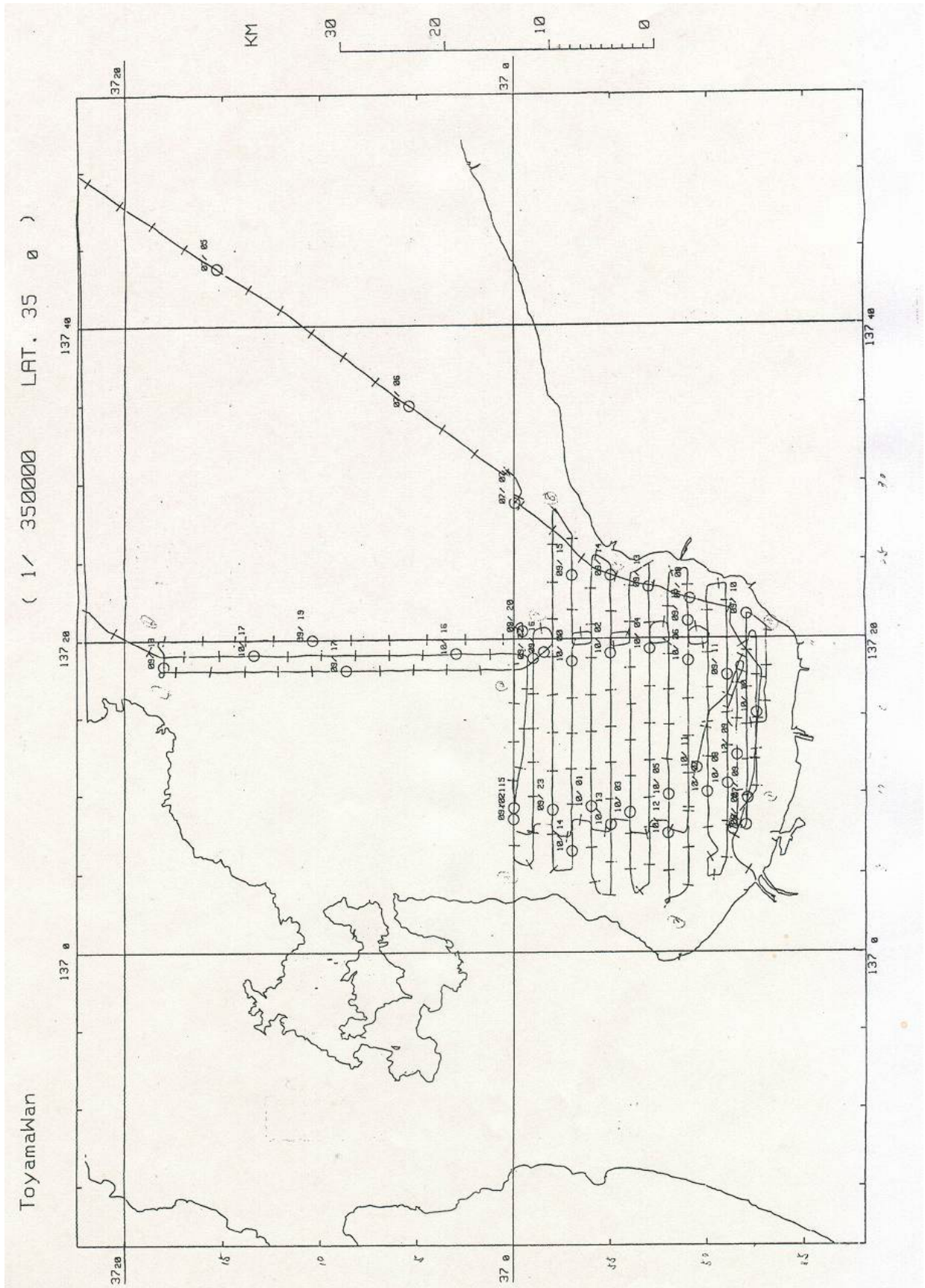


Fig. 3b. Track chart of the Toyama Deep Seachannel (south) area.

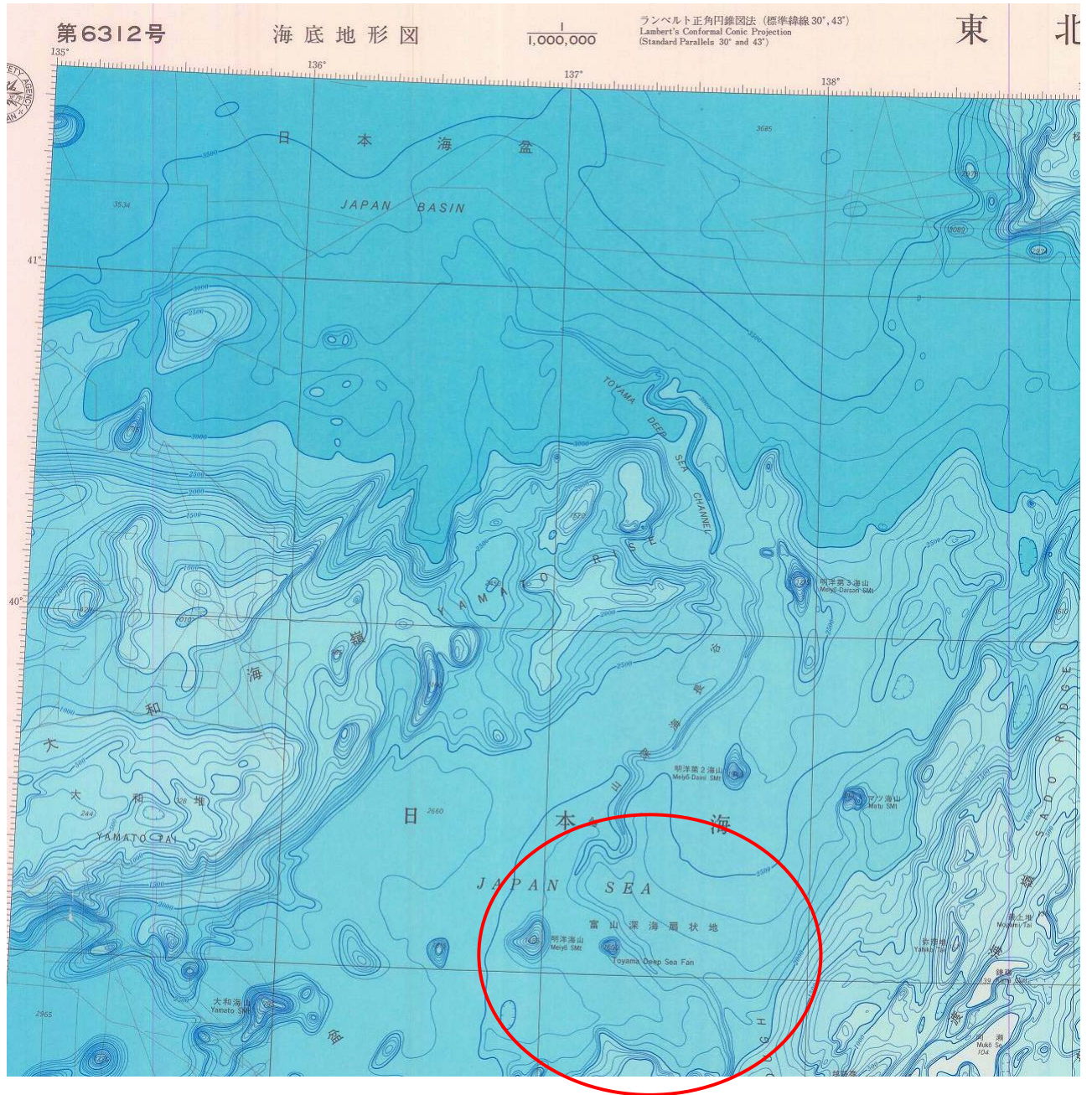


Fig. 4a. Scanned northern portion of the Japanese bathymetric chart #6312, showing the location of Toyama Deep Sea Fan.

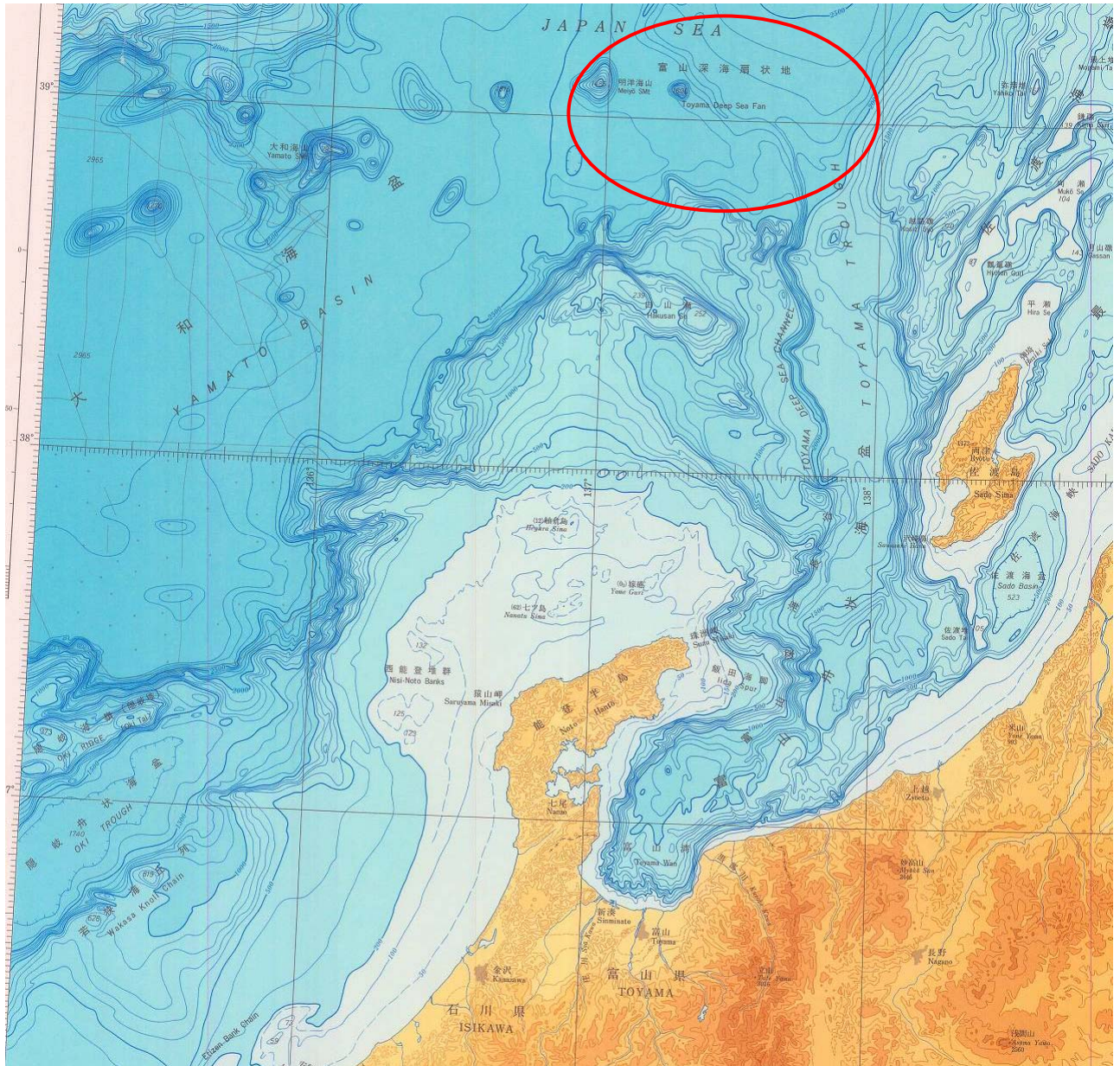


Fig. 4b. Scanned southern portion of the Japanese bathymetric chart #6312, showing the location of Toyama Deep Sea Fan.



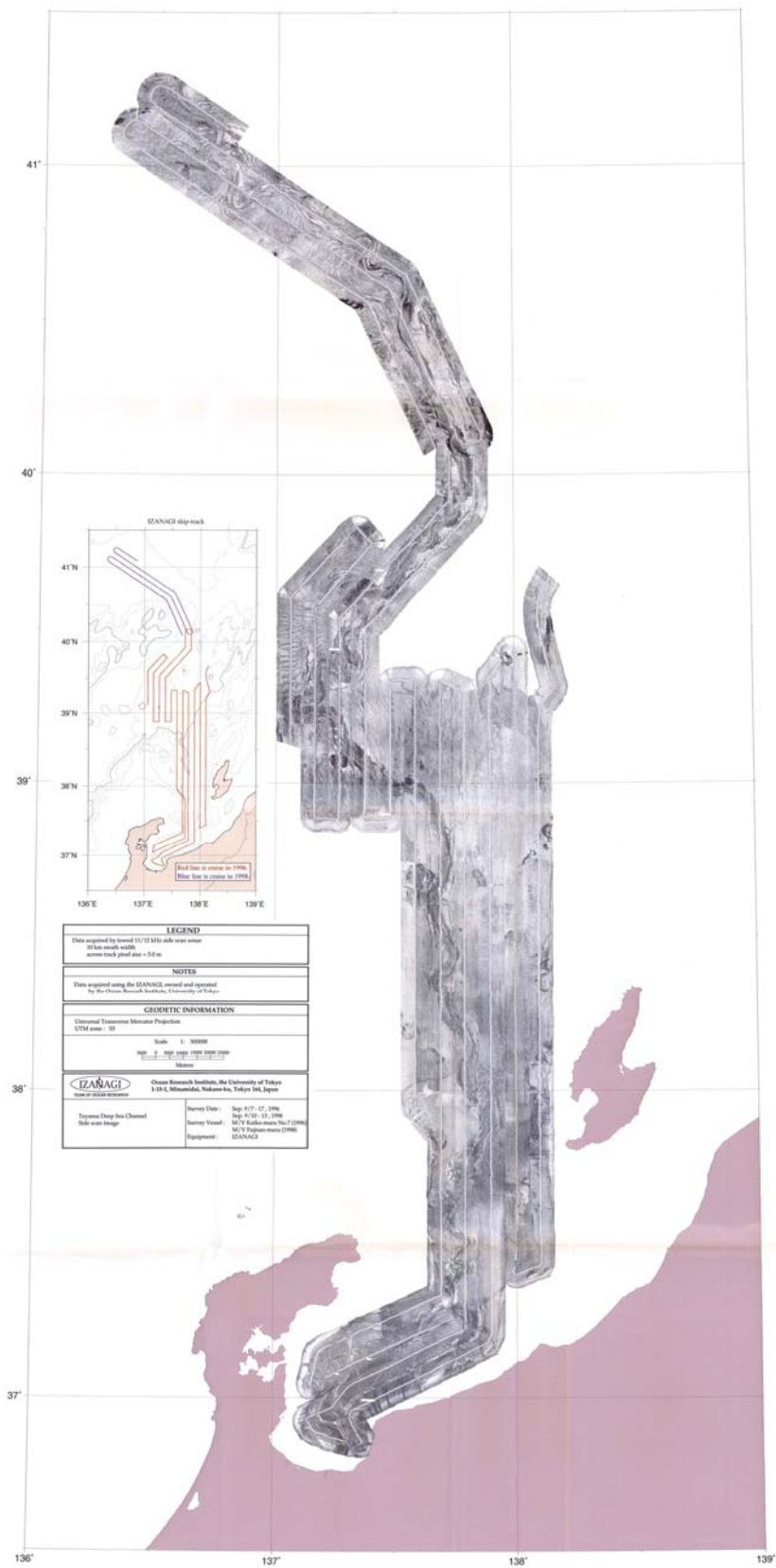


Fig. 5. Side-scan sonar image Toyama Deep Seachannel.