

<b>INTERNATIONAL HYDROGRAPHIC ORGANIZATION</b>	<b>INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)</b>
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**UNDERSEA FEATURE NAME PROPOSAL**  
(Sea NOTE overleaf)

Note: The boxes will expand as you fill the form.

<b>Name Proposed:</b>	Minami - Tarama Knoll	<b>Ocean or Sea:</b>	East China Sea
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<b>Geometry</b> that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
		Yes				

\* Geometry should be clearly distinguished when providing the coordinates below.

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
<b>Coordinates:</b>	25° 02.9' N	124° 30.2' E
	25° 03.7' N	124° 29.0' E
	25° 04.2' N	124° 29.4' E
	25° 04.6' N	124° 30.3' E
	25° 04.4' N	124° 31.2' E
	25° 03.5' N	124° 31.2' E
	25° 02.9' N	124° 30.7' E
	25° 02.9' N	124° 30.2' E

<b>Feature Description:</b>	Maximum Depth:	2000 m	Steepness :	20°
	Minimum Depth :	1765 m	Shape :	Elongated Conical Shape
	Total Relief :	235 m	Dimension/Size :	

<b>Associated Features:</b>	Okinawa Trough
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	Japanese bathymetric chart W1203

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	This area has been identified as a possible active submerged volcano "Tarama Knoll". However, the latest survey on this feature revealed that the feature is composed of separated two knolls. This knoll is located south relative to the other one.
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<b>Discovery Facts:</b>	Discovery Date:	20 <sup>th</sup> July, 2009
	Discoverer (Individual, Ship):	Toshiro Yamanaka (RV/ Natsushima)

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	July, 2009
	Survey Ship:	RV/ Natsushima
	Sounding Equipment:	SeaBat 8160
	Type of Navigation:	GPS without Selective Availability
	Estimated Horizontal Accuracy (nm):	0.03 nm

	Survey Track Spacing:	See Fig. 3
	Supporting material can be submitted as Annex in analog or digital form.	

<b>Proposer(s):</b>	Name(s):	Toshiro Yamanaka
	Date:	August 23, 2013
	E-mail:	toshiroy@cc.okayama-u.ac.jp
	Organization and Address:	Okayama University, 1-1 Naka 3-chome, Kita-ku, Okayama 700-8530, Japan
	Concurrer (name, e-mail, organization and address):	Hiroko Makita, makita@jamstec.go.jp, JAMSTEC, 2-15 Natsushima-cho, Yokosuka, 237-0061, Japan

<b>Remarks:</b>	
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**NOTE :** This form should be forwarded, when completed :

- a) **If the undersea feature is located inside the external limit of the territorial sea** :-  
to your "National Authority for Approval of Undersea Feature Names" (see page 2-9) or, if this does not exist or is not known, either to the IHB or to the IOC (see addresses below);
- b) **If at least 50 % of the undersea feature is located outside the external limits of the territorial sea** :-  
to the IHB or to the IOC, at the following addresses :

International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX <u>Principality of MONACO</u> Fax: +377 93 10 81 40 E-mail: <a href="mailto:info@ihb.mc">info@ihb.mc</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS <u>France</u> Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a>
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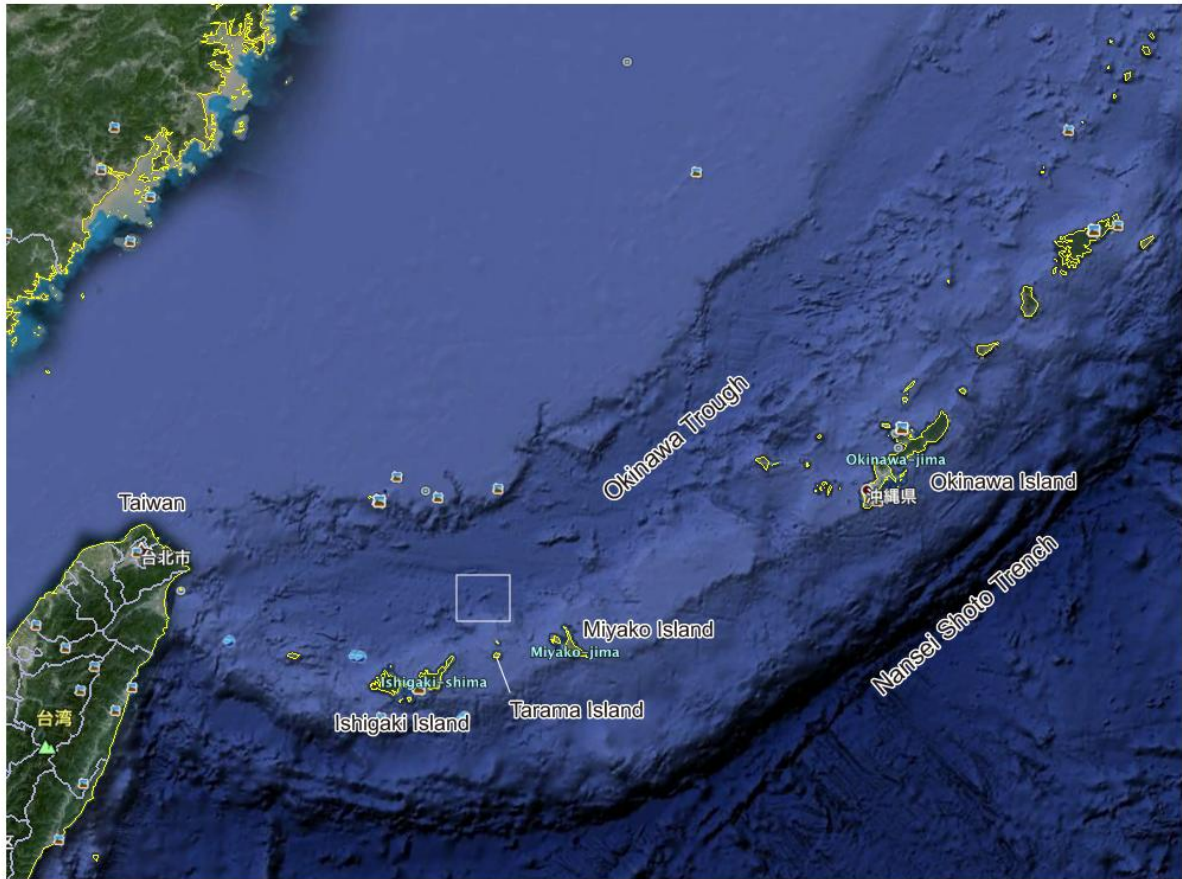


Fig. 1. The white box shows the locations of the Tarama and Minami-Tarama Knolls, based on captured Google Earth image.

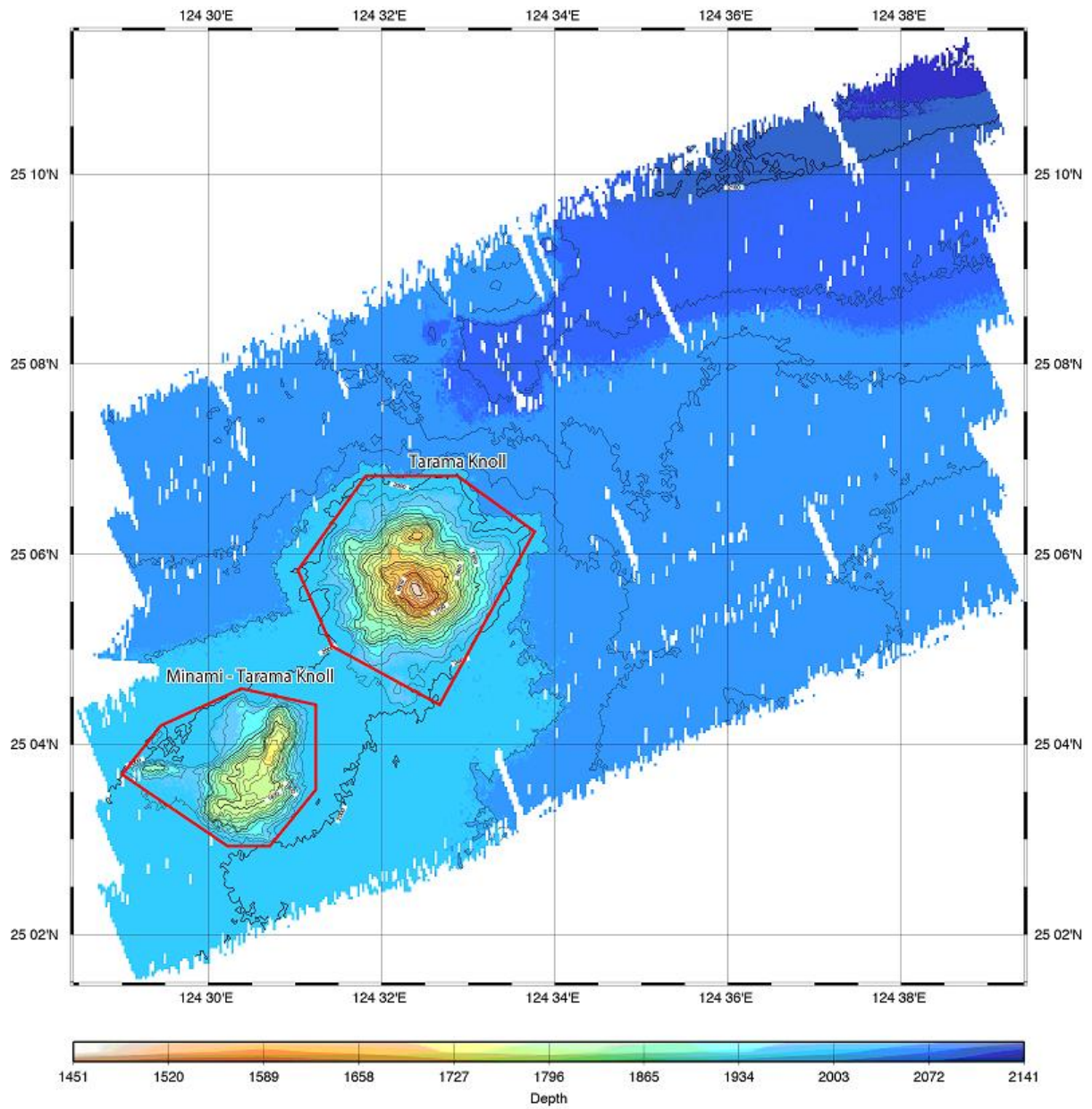


Fig. 2. Color bathymetric map of Tarama and Minami-Tarama Knolls. Contours are in 200 m. The polygon delineating the feature is shown in red.

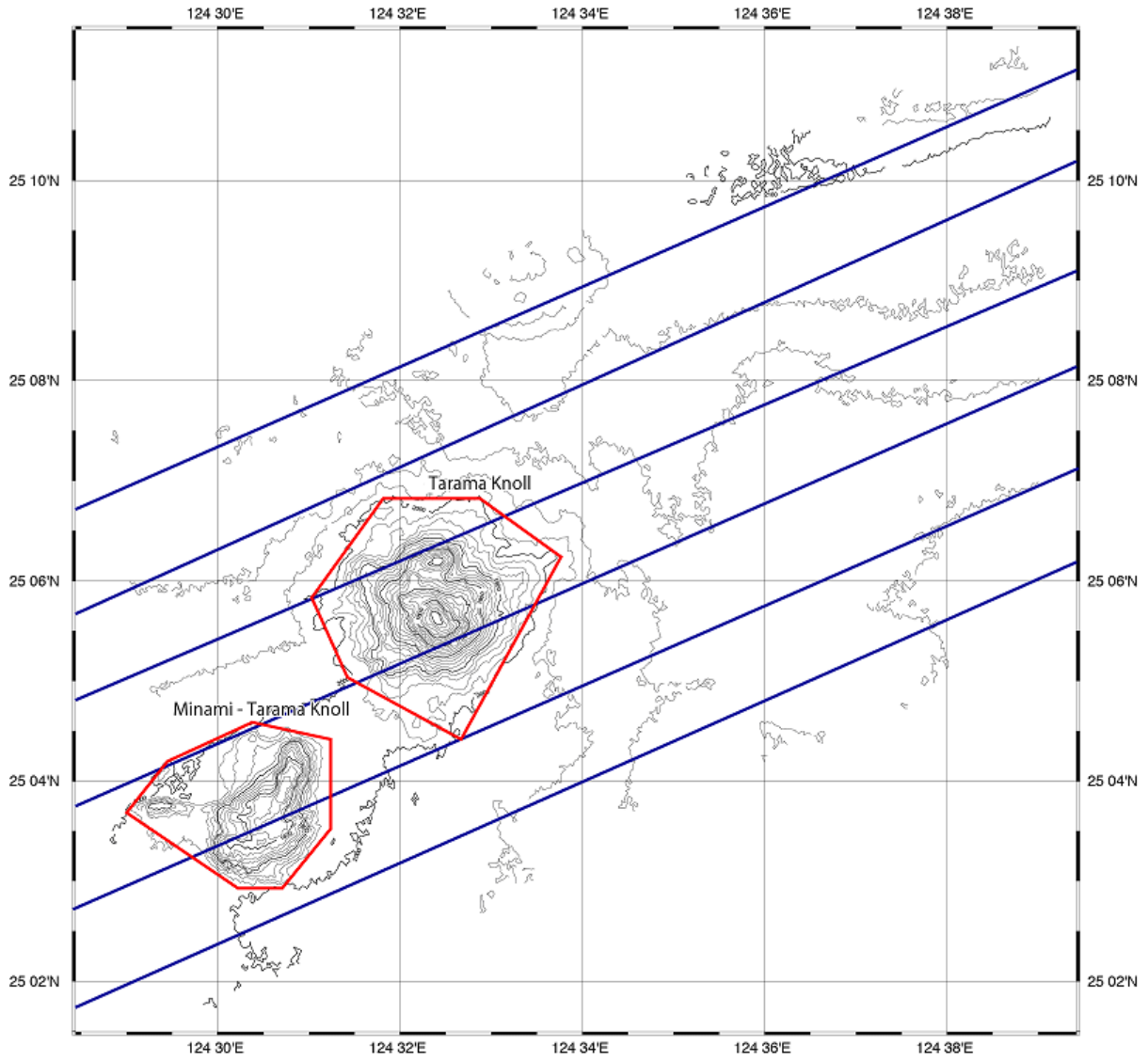


Fig. 3. Bathymetric map of Tarama and Minami-Tarama Knolls. Contours are in 200 m. The polygon delineating the feature is shown in red. Ship tracks are also shown in blue.