

INTERNATIONAL HYDROGRAPHIC ORGANIZATION	INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)
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UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

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

Name Proposed:	Iwamiya Seamount	Ocean or Sea:	Northwest Pacific Ocean
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Geometry 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)
Coordinates:	27°05.05'N	157°32.59'E
	27°03.16'N	157°38.09'E
	27°03.90'N	157°43.51'E
	27°03.56'N	157°46.14'E
	26°54.42'N	157°44.66'E
	26°46.42'N	157°41.74'E
	26°42.35'N	157°35.31'E
	26°43.21'N	157°23.06'E
	26°55.45'N	157°13.48'E
	26°58.94'N	157°18.73'E
27°05.05'N	157°32.59'E	

Feature Description:	Maximum Depth :	6,000 m	Steepness :	
	Minimum Depth :	1,553 m	Shape :	Distorted conical
	Total Relief :	4,447 m	Dimension/Size :	60 km × 40 km

Associated Features:	
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Chart/Map References:	Shown Named on Map/Chart:	6727
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	W48

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Named after an oceanographer/technician the late Mr. Hiroshi Iwamiya.
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Discovery Facts:	Discovery Date:	Nov. 1998
	Discoverer (Individual, Ship):	The Japanese survey vessel "Takuyo"

Supporting Survey Data, including Track Controls:	Date of Survey:	Nov. 1998 Jun. and Nov. – Dec. 2000
	Survey Ship:	The Japanese survey vessel "Takuyo"
	Sounding Equipment:	Multibeam echo sounder Seabeam 210B (1998) Seabeam 2112 (2000)

	Type of Navigation:	GPS with Selective Availability (1998) GPS without Selective Availability (2000)
	Estimated Horizontal Accuracy (nm):	0.054 nm (100m) (1998) 0.014 nm (26 m) (2000)
	Survey Track Spacing:	Less than 10 nm
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	JCUFN
	Date:	Aug. 17, 2016
	E-mail:	ico@jodc.go.jp
	Organization and Address:	Hydrographic and Oceanographic Department, Japan Coast Guard Kasumigaseki 3-1-1, Chiyoda-ku, Tokyo 100-8932, Japan
	Concurrer (name, e-mail, organization and address):	

Remarks:	The position of the summit is located in (26°53.60'N, 157°30.44'E).
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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 Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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Personal history of the late Mr. Hiroshi Iwamiya

Given name: Hiroshi

Family name: Iwamiya

August 1928 Born

June 2015 Deceased

Education

1948 B.S., Chiba University

Professional carrier:

1951 Joined the Tsurumi-Seiki Co. Ltd. (Yokohama, Japan)

1975 President, the Tsurumi-Seiki Co. Ltd.

Remarks:

He was an oceanographer/technician working for the Tsurumi-Seiki Co. Ltd. (Yokohama, Japan). The company was established in 1928 by his father, Mr. Masao Iwamiya, who made Japanese-made mariner's compass for the first time. In 1960's, he had great interests in the oceanographic instruments installed on R/V Spencer F. Baird (Scripps Institution of Oceanography), which made Trans-Pacific Expedition in 1953. He then decided to make XBT (Expendable Bathy Thermograph) with an agreement for technical cooperation with Sippican Co. Ltd. (USA). Then, 1999, he invented XCTD (Expendable Conductivity Temperature Depth Profiler), obtaining international patent. Tsurumi's XBT and XCTD are used widely worldwide, contributing to ocean sciences as well as other maritime activities. Note that the company has the 100% world-market share for XCTD. Other than XBT and XCTD, the company has a variety of oceanographic sensors, such as the current direction and velocity meter installed on the submersible Shinaki 6500.

As an oceanographer/technician, he had been working for the Advanced Marine Science and Technology Society of Japan, the Oceanographic Society of Japan, Japan Society for Marine Surveys and Technology, the Marine Acoustics Society of Japan.

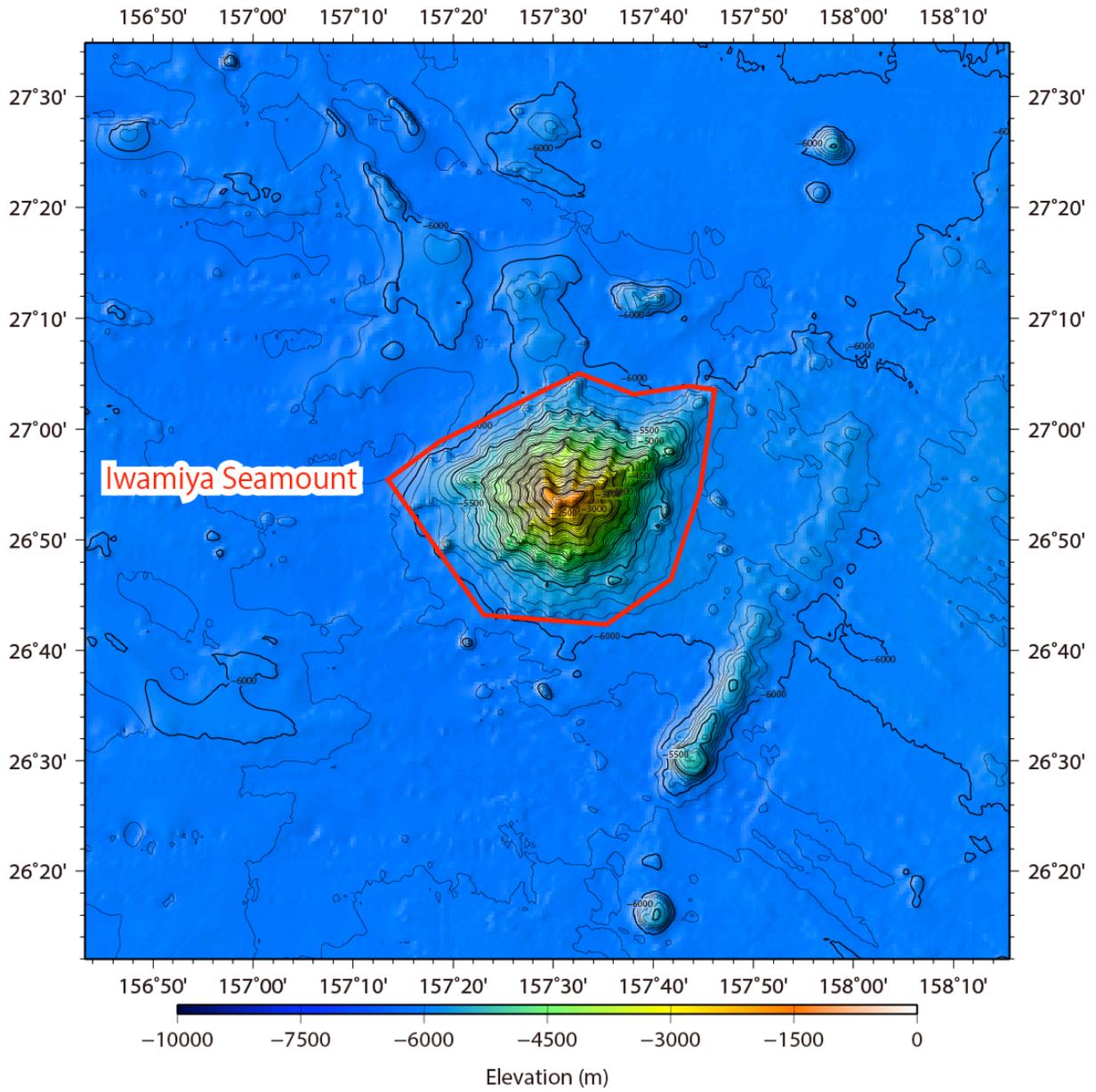


Fig. 1. Bathymetric map of the Iwamiya Seamount. Contours are in 100 m.

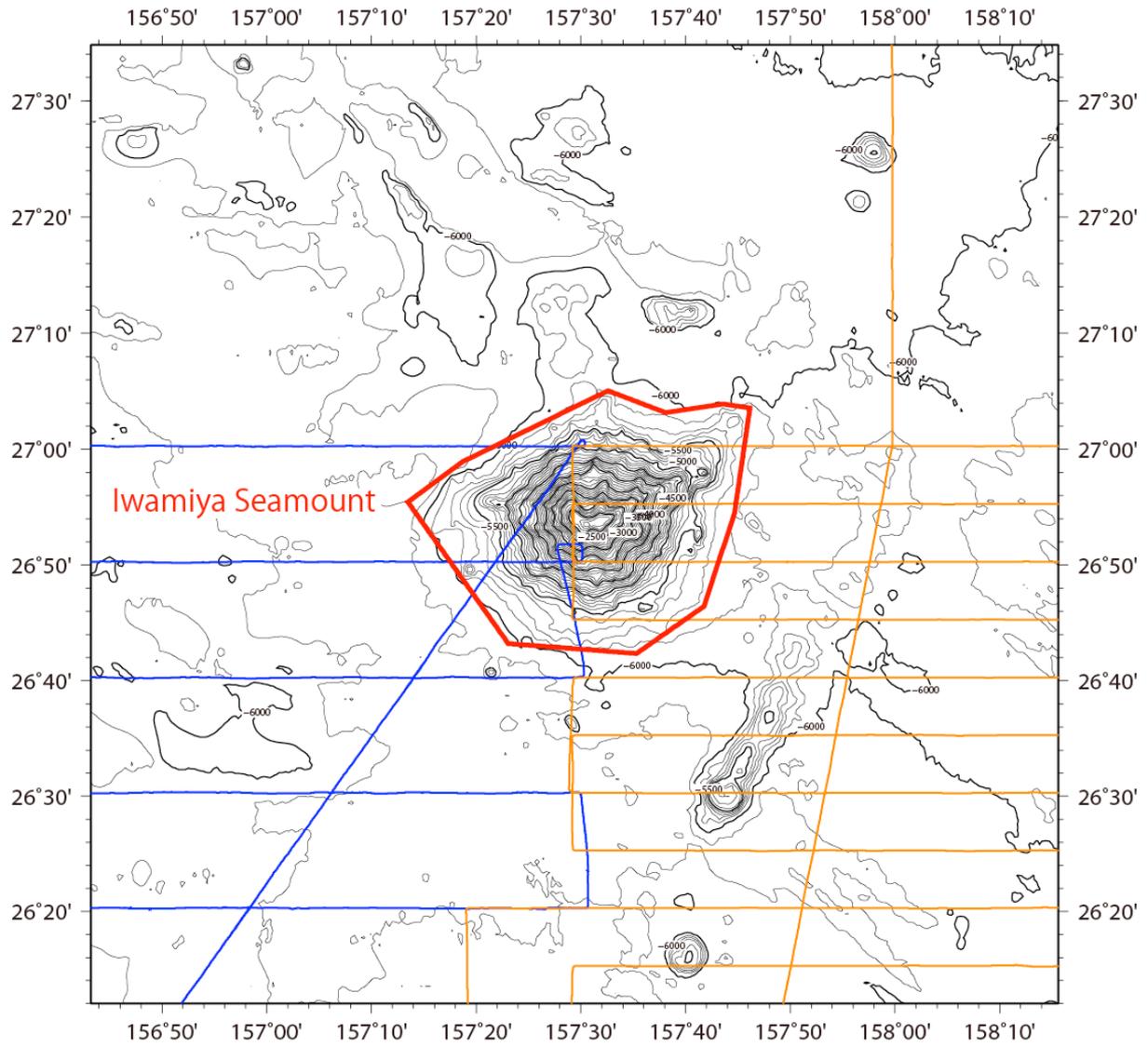


Fig. 2. Bathymetric map of the Iwamiya Seamount, shown with track lines. Contours are in 100 m. Blue is the survey with the Seabeam210B, and orange is the survey with the Seabeam2112.

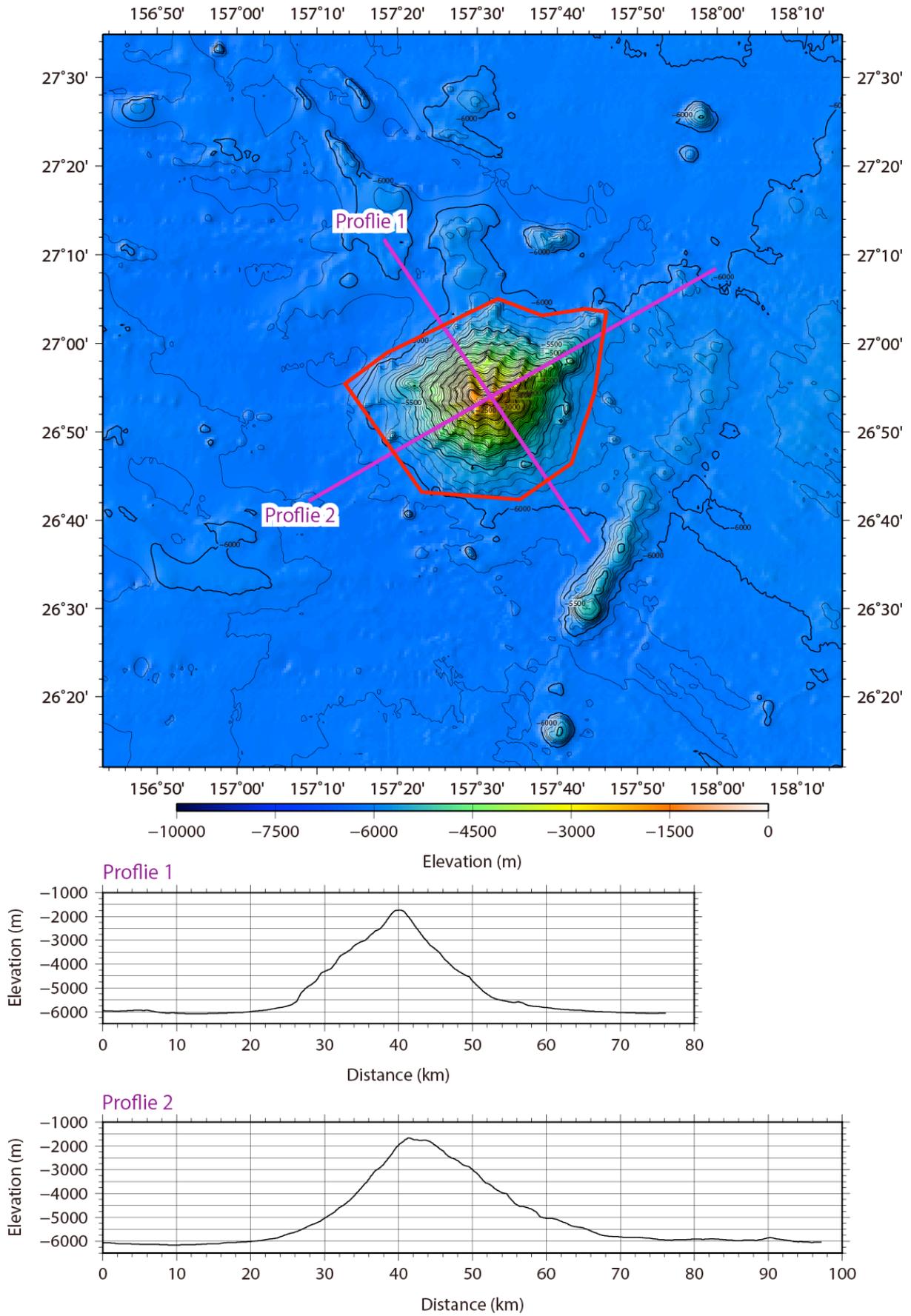


Fig. 3. Bathymetric profile across the Iwamiya Seamount.