

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:	Nozaki 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°49.64'N	150°45.92'E
	27°55.10'N	150°48.77'E
	27°56.31'N	150°54.34'E
	27°54.85'N	150°57.59'E
	27°49.75'N	151°00.09'E
	27°44.59'N	150°57.65'E
	27°44.11'N	150°54.09'E
	27°44.82'N	150°49.84'E
	27°47.14'N	150°47.10'E
27°49.64'N	150°45.92'E	

Feature Description:	Maximum Depth :	6,000 m	Steepness :	
	Minimum Depth :	3,056 m	Shape :	Conical
	Total Relief :	2,944 m	Dimension/Size :	25 km × 20 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 a chemical oceanographer the late Dr. Yoshiyuki Nozaki.
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Discovery Facts:	Discovery Date:	Oct. 1999
	Discoverer (Individual, Ship):	The Japanese survey vessel "Takuyo"

Supporting Survey Data, including Track Controls:	Date of Survey:	Oct. – Nov. 1999
	Survey Ship:	The Japanese survey vessel "Takuyo"
	Sounding Equipment:	Multibeam echo sounder Seabeam 2112
	Type of Navigation:	GPS with Selective Availability
	Estimated Horizontal Accuracy (nm):	0.054 nm (100 m)
	Survey Track Spacing:	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
	Concurren (name, e-mail, organization and address):	

Remarks:	The position of the summit is located in (27°50.23'N, 150°52.95'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 Dr. Yoshiyuki Nozaki

Given name: Yoshiyuki

Family name: Nozaki

February 1946 Born

January 2003 Deceased

Education

1969 B.S., Hokkaido University

1975 PhD, Hokkaido University

Professional carrier:

1975 Post Doc fellow, Yale University

1978 Assistant Scientist, Woods Hole Oceanographic Institution

1979 Associate Professor, Ocean Research Institute, University of Tokyo

1992 Professor, Ocean Research Institute, University of Tokyo

Remarks:

He was a renowned chemical oceanographer working for Ocean Research Institute, University of Tokyo. His primary interest was to reveal atmosphere-ocean-sediment material transfer process, using natural radioactive nuclides ^{210}Pb , Th, etc. His work also included chemical oceanography using rare earth elements.

List of selected publications:

Alibo, D.S., and Y. Nozaki, Rare earth elements in seawater: particle association, shale-normalization, and Ce oxidation, *Geochimica et Cosmochimica Acta*, 63, 363-372, 1999.

Nozaki, Y. and S. Tsunogai, Lead-210 in the North Pacific and the transport of terrestrial material through the atmosphere, *Earth and Planetary Science Letters*, 20, 88-92, 1973.

Nozaki, Y., H-S. Yang, and M. Yamada, Scavenging of thorium in the ocean, *Journal of Geophysical Research*, 92 (C1), 772-778, 1987.

Nozaki, Y., J. Zhang, and H. Amakawa, The fractionation between Y and Ho in the marine environment, *Earth and Planetary Science Letters*, 148, 329-340, 1997.

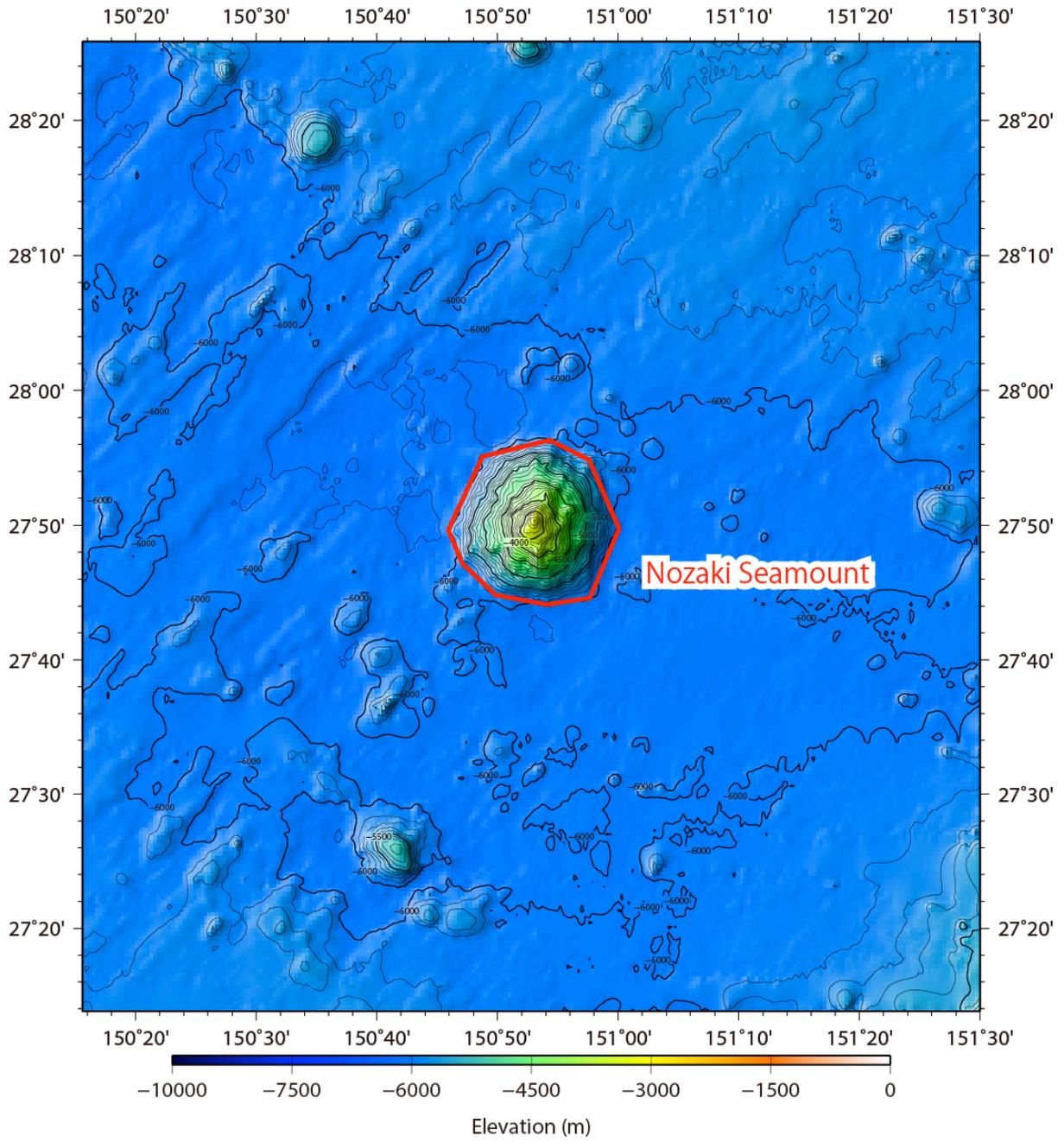


Fig. 1. Bathymetric map of the Nozaki Seamount. Contours are in 100 m.

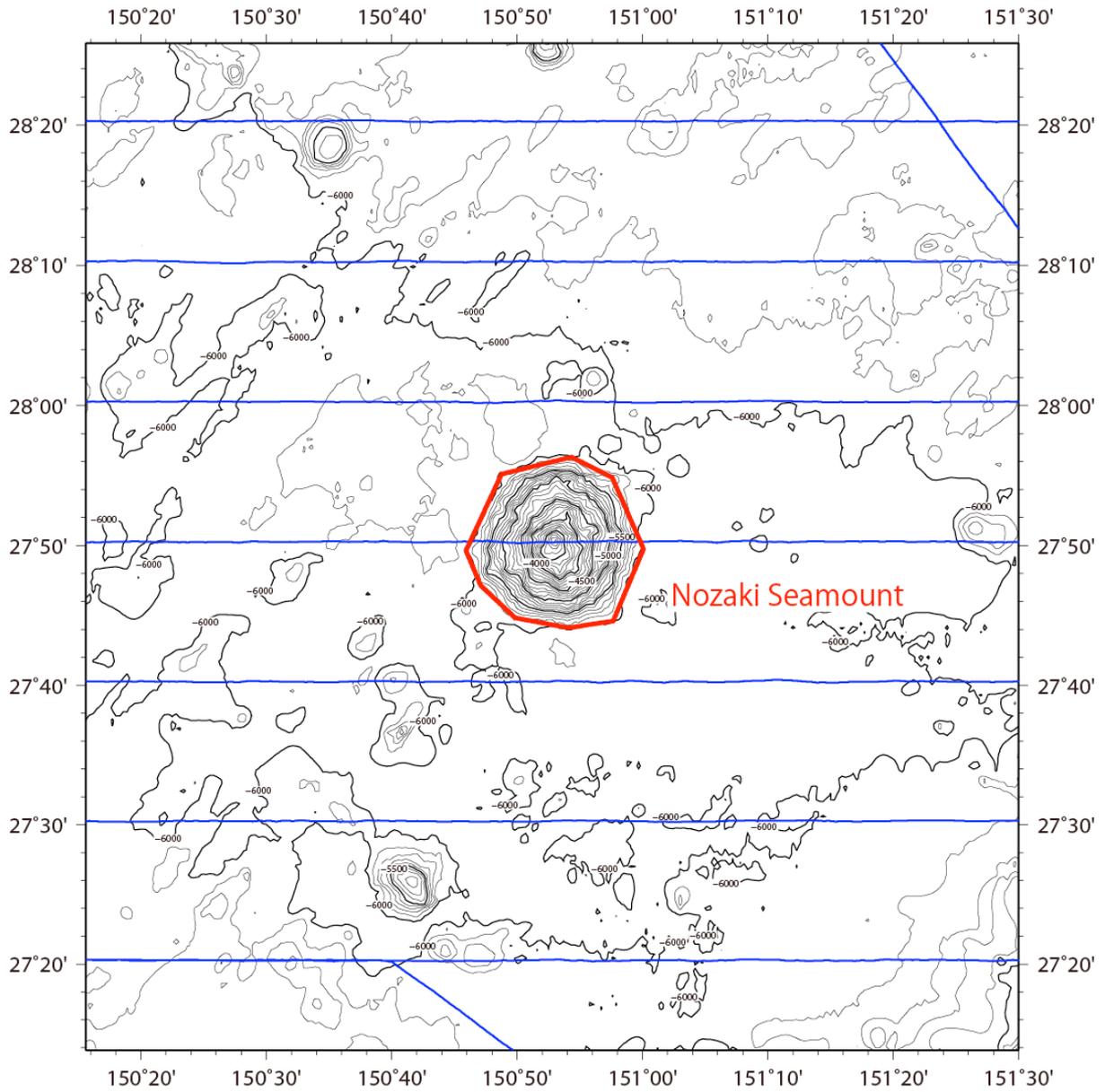


Fig. 2. Bathymetric map of the Nozaki Seamount, shown with track lines. Contours are in 100 m.

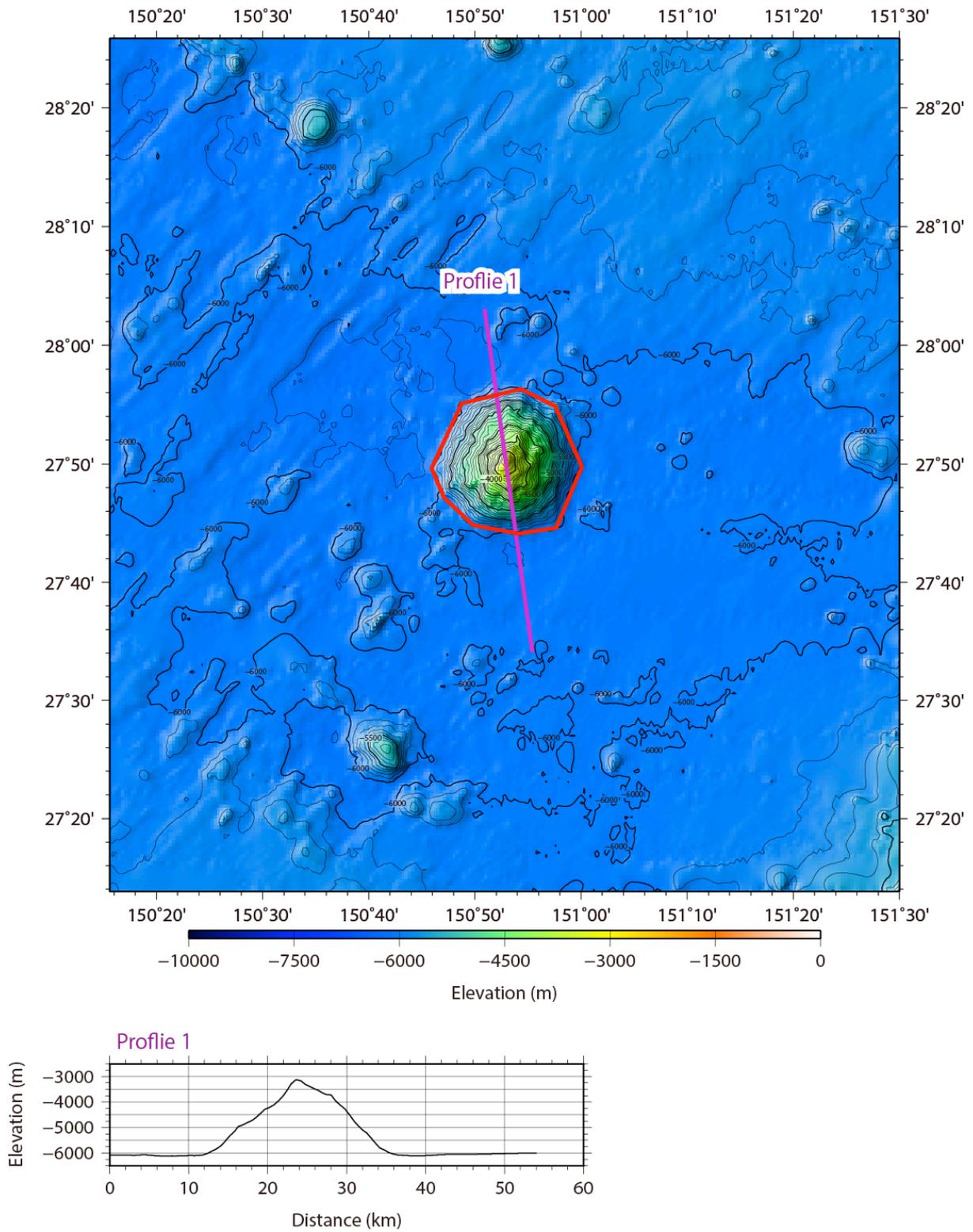


Fig. 3. Bathymetric profile across the Nozaki Seamount.