

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Zhenghe Ridge	Ocean or Sea:	East 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:	10°06.9'N (top)	152°12.1'W (top)
	10°23.5'N (bottom)	152°55.4'W (bottom)
	10°23.1'N	152°51.9'W
	10°18.2'N	152°38.3'W
	10°12.0'N	152°09.3'W
	10°15.7'N	151°50.1'W
	10°14.2'N	151°34.0'W
	10°11.2'N	151°15.1'W
	10°02.7'N	151°13.4'W
	10°02.1'N	151°33.2'W
	10°02.9'N	151°52.6'W
	10°00.6'N	152°18.7'W
	10°03.9'N	152°47.6'W
	10°08.3'N	153°00.3'W
	10°14.7'N	153°09.8'W
10°19.6'N	153°06.7'W	
10°23.5'N	152°55.4'W	

Feature Description:	Maximum Depth:	5450 m	Steepness :	
	Minimum Depth :	3612 m	Shape :	Elongated
	Total Relief :	1838 m	Dimension/Size :	220km×25km

Associated Features:	This ridge is located at north to the Zhangbingxi Ridge, south to the Jianzhen Ridge. The ridge has an elongated shape and extends towards EW.
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.06
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Zheng He (A.D. 1371-1433) was a great Chinese navigator, an outstanding pioneer in the world history of navigation. This ridge named after "Zhenghe" is to commemorate his important contributions in Chinese navigation history.
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Discovery Facts:	Discovery Date:	August 1995
	Discoverer (Individual, Ship):	Chinese R/V Dayang Yihao

Supporting Survey Data, including	Date of Survey:	1995
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Track Controls:	Survey Ship:	Chinese R/V Dayang Yihao
	Sounding Equipment:	Multibeam Sounding System (Seabeam2112)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy (nm):	≤ 0.08nm
	Survey Track Spacing:	3.5 nm
Supporting material can be submitted as Annex in analog or digital form.		

Proposer(s):	Name(s):	China Ocean Mineral Resources R&D Association
	Date:	July 1, 2016
	E-mail:	comra@comra.org
	Organization and Address:	No.1, Fuxingmenwai Street, Xicheng District, Beijing, China
	Concurrer (name, e-mail, organization and address):	

Remarks:	The proposal has been reviewed and approved by Sub-Committee on Undersea Feature Names of China Committee on Geographical Names (CCUFN). No.1, Fuxingmenwai Street, Xicheng District, Beijing, China, 100860 heyunxu@sina.com
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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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Figures

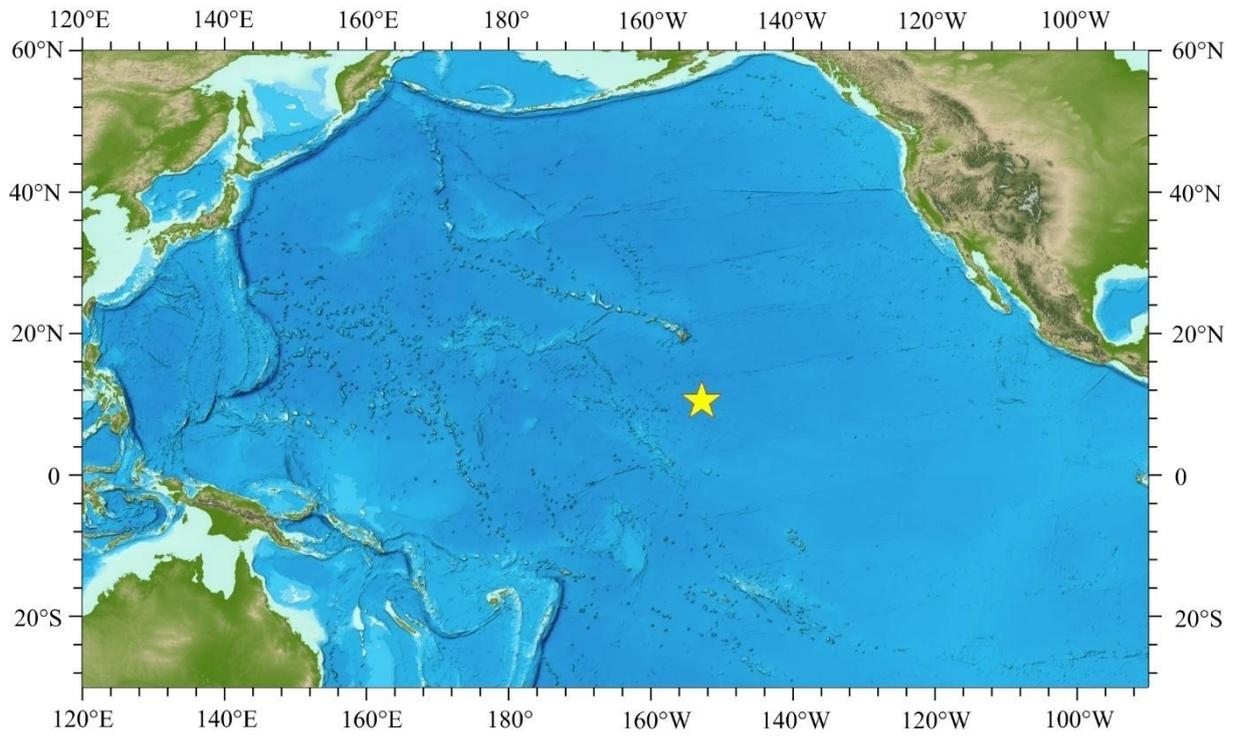


Fig 1. Location map of the Zhenghe Ridge

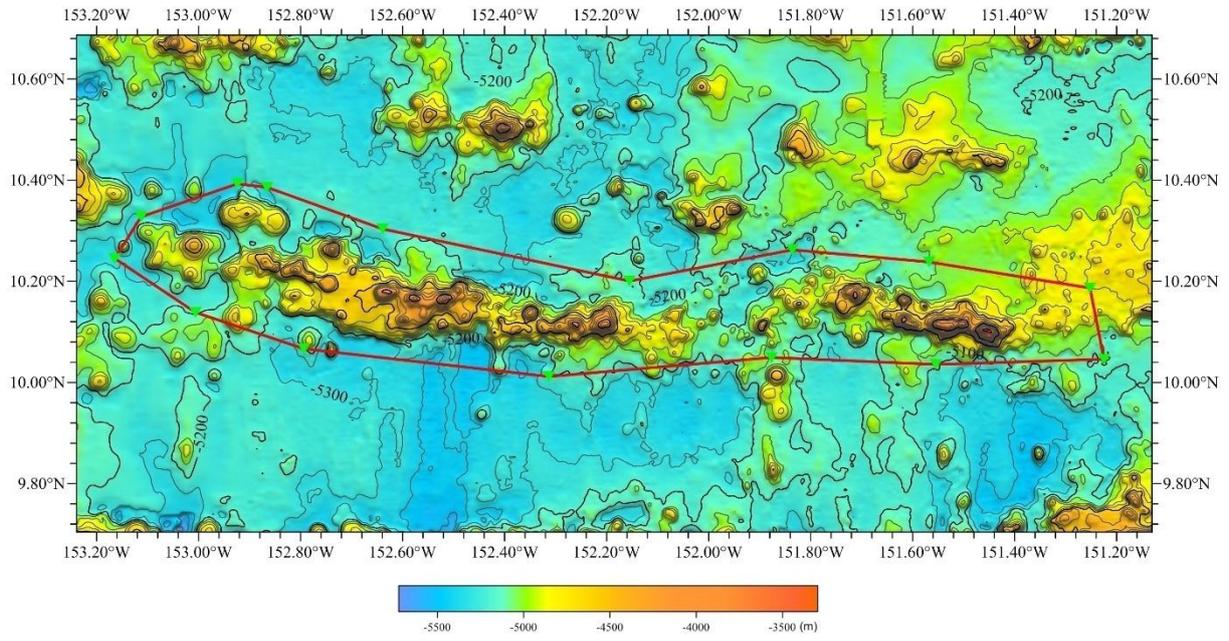


Fig 2. Bathymetric map of the Zhenghe Ridge (Contours are in 100 m)

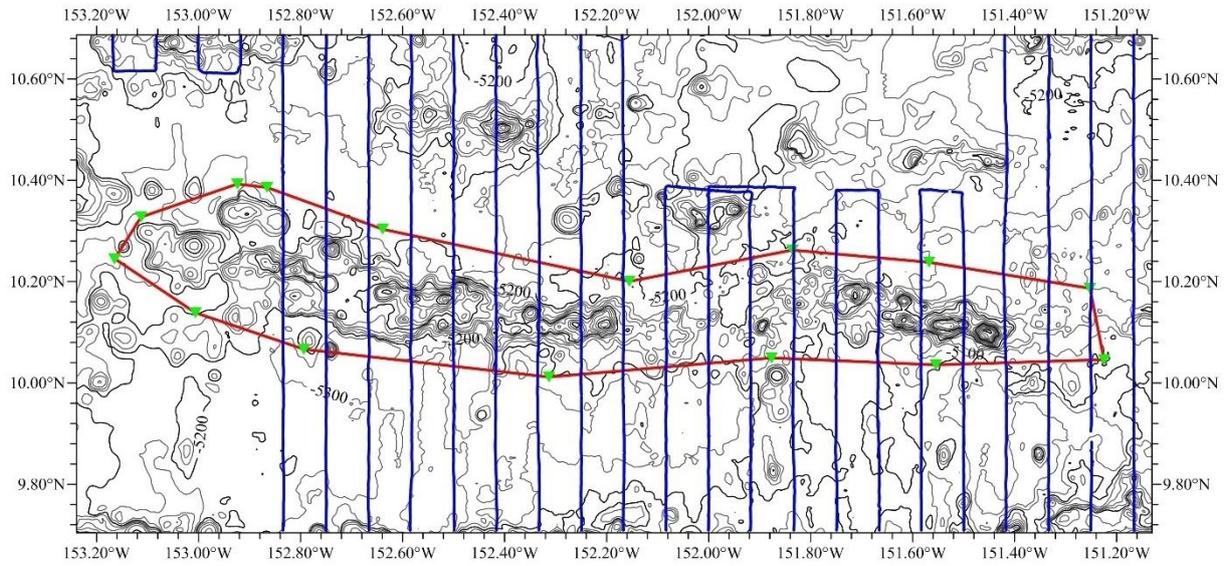


Fig 3. Isobath and survey line map of the Zhenghe Ridge (Contours are in 100 m, blue lines are survey lines)

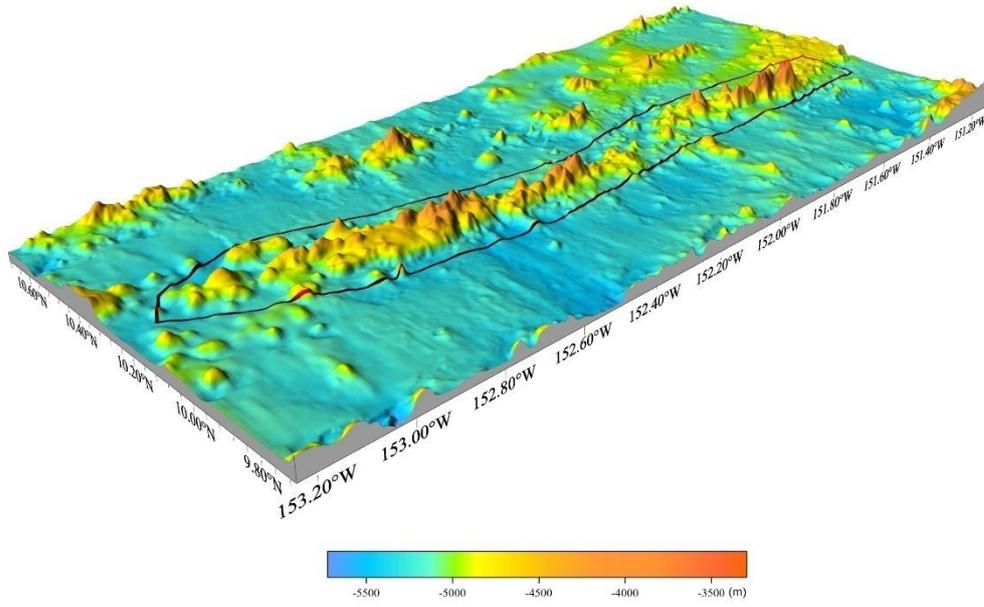


Fig 4. 3-D topography map of the Zhenghe Ridge

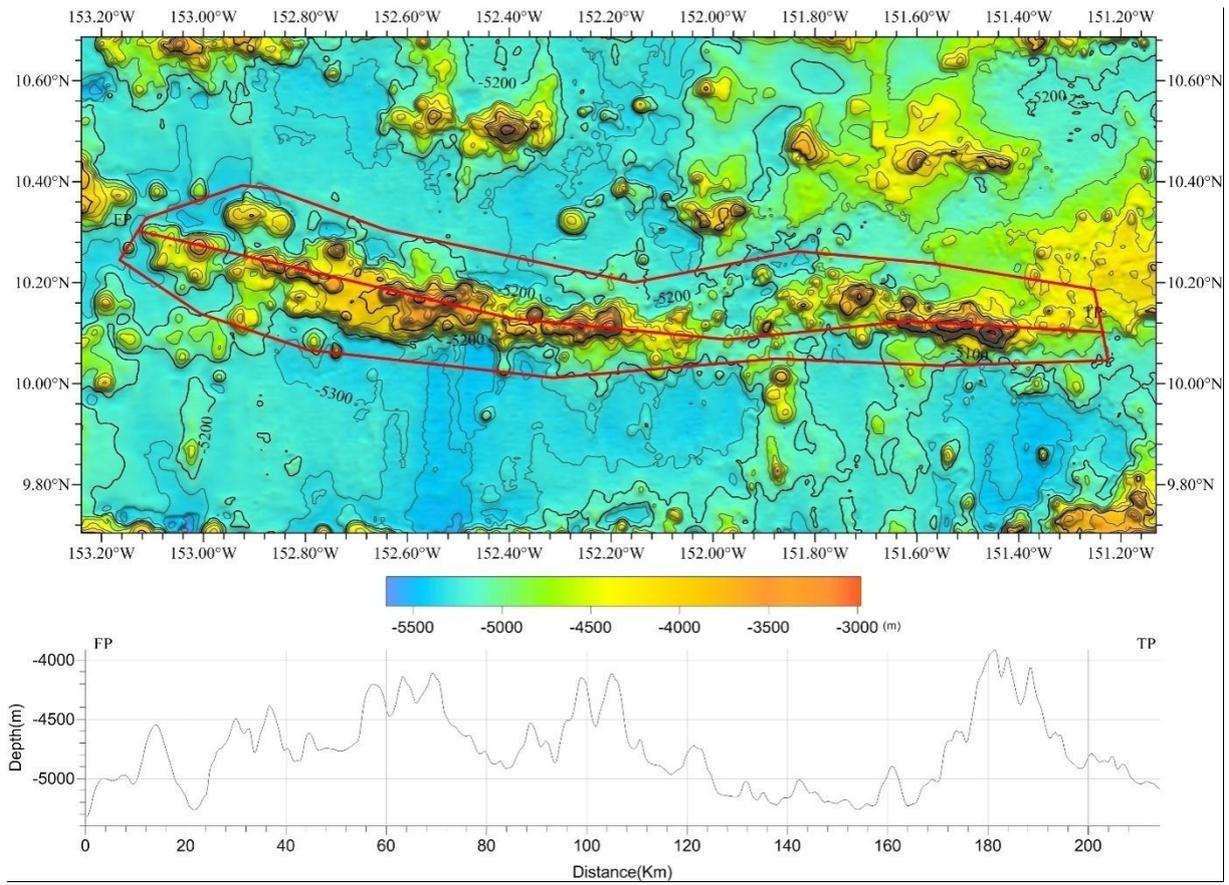


Fig 5. Topography profile map of the Zhenghe Ridge