

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Fengming Seamount	Ocean or Sea:	West 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:	22°05.5'N (Summit)	160°15.6'E (Summit)
	22°05.1'N (Bottom)	160°08.2'E (Bottom)
	22°02.2'N	160°09.0'E
	21°59.2'N	160°11.1'E
	21°57.9'N	160°15.0'E
	21°59.2'N	160°18.9'E
	22°00.8'N	160°22.0'E
	22°03.2'N	160°25.2'E
	22°07.7'N	160°25.6'E
	22°11.3'N	160°24.2'E
	22°12.7'N	160°21.8'E
	22°13.1'N	160°17.9'E
	22°13.2'N	160°15.5'E
	22°13.1'N	160°12.2'E
	22°11.5'N	160°08.8'E
	22°07.8'N	160°07.5'E
	22°05.1'N (Bottom)	160°08.2'E (Bottom)

Feature Description:	Maximum Depth:	5460 m	Steepness :	
	Minimum Depth :	1561 m	Shape :	Near round
	Total Relief :	3899 m	Dimension/Size :	31 km×28 km

Associated Features:	Fengming Seamount has a near round overlook plane shape and looks like a solid cone. It has a nearly equiaxial extension and develops 7 ridges. It has a spiky top and steep slopes.
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.07
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	“Fengming” comes from a poem in Shijing. Shijing is a collection of ancient Chinese poems from 11th century B.C. to 6th century B.C. It means phoenix singing-a good omen for the country.
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Discovery Facts:	Discovery Date:	July, 2015
	Discoverer (Individual, Ship):	Chinese R/V Chukochenhao

Supporting Survey Data, including Track Controls:	Date of Survey:	July, 2015
	Survey Ship:	Chinese R/V Chukochenhao
	Sounding Equipment:	Multi-beam Echo Sounding System (Seabat 7150)
	Type of Navigation:	SF2050F Wide Area Differential GPS
	Estimated Horizontal Accuracy (nm):	0.00008 nm
	Survey Track Spacing:	
	Supporting material can be submitted as Annex in analog or digital form. See Annex	

Proposer(s):	Name(s):	China Ocean Mineral Resources Research and Development Association (COMRA)
	Date:	April 08, 2018
	E-mail:	comra@comra.org
	Organization and Address:	No.1 Fuxingmenwai Street, Xicheng District, Beijing
	Concurrer (name, e-mail, organization and address):	

Remarks:	This proposal has been reviewed and approved by China Subcommittee on Undersea Feature 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 <u>Principality of MONACO</u> 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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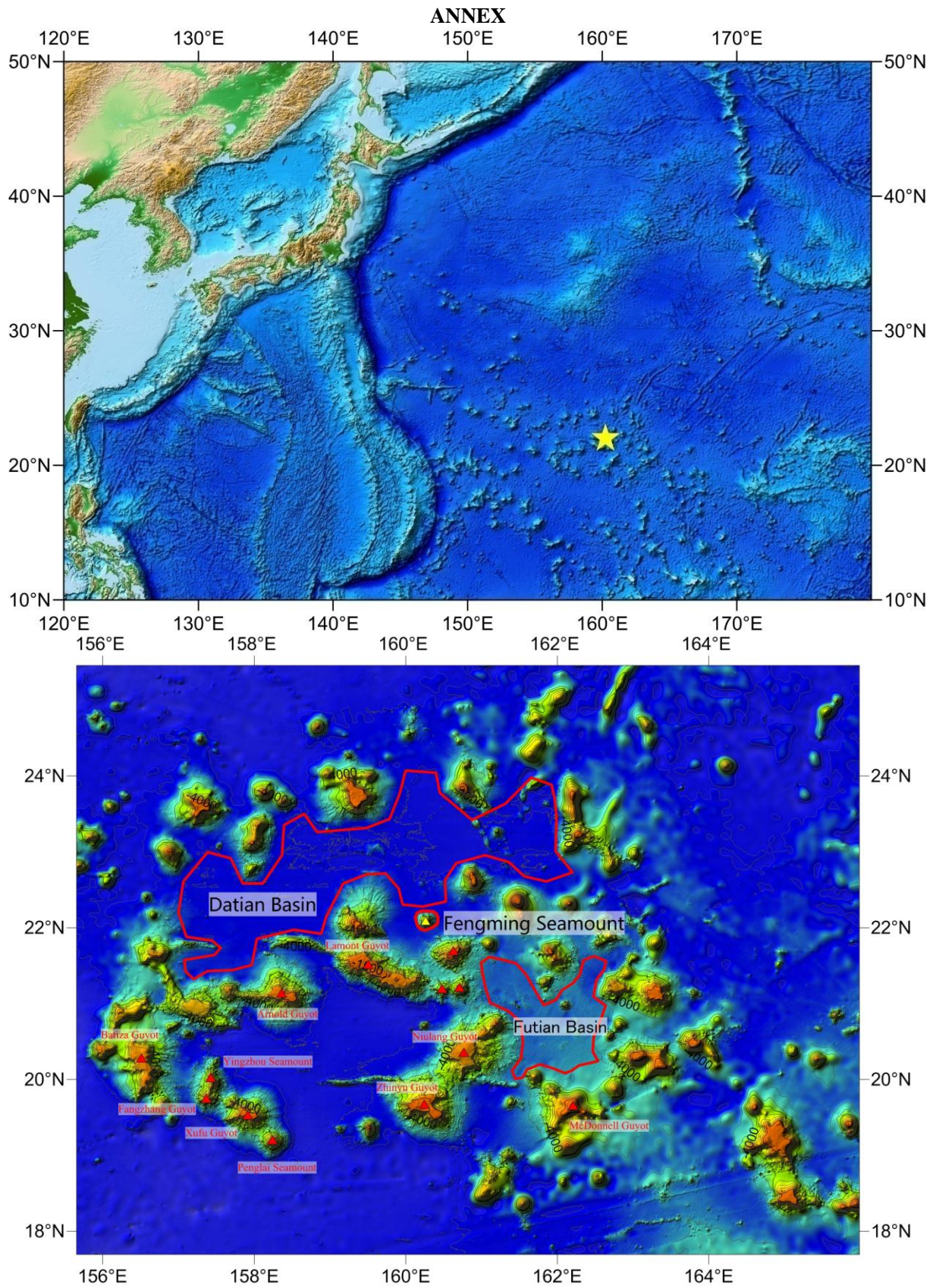


Fig. 1 Location of the Fengming Seamount

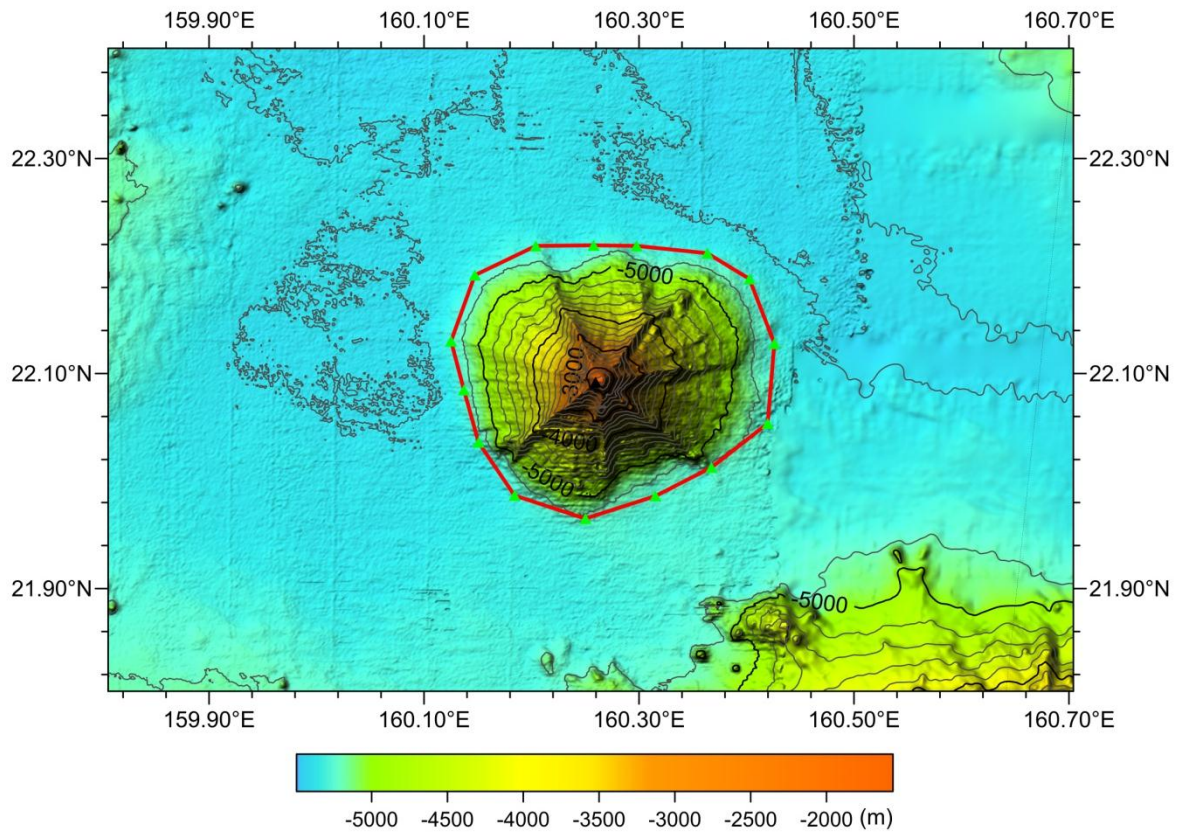


Fig. 2 Bathymetric map of the Fengming Seamount (the contour interval is 200 m)

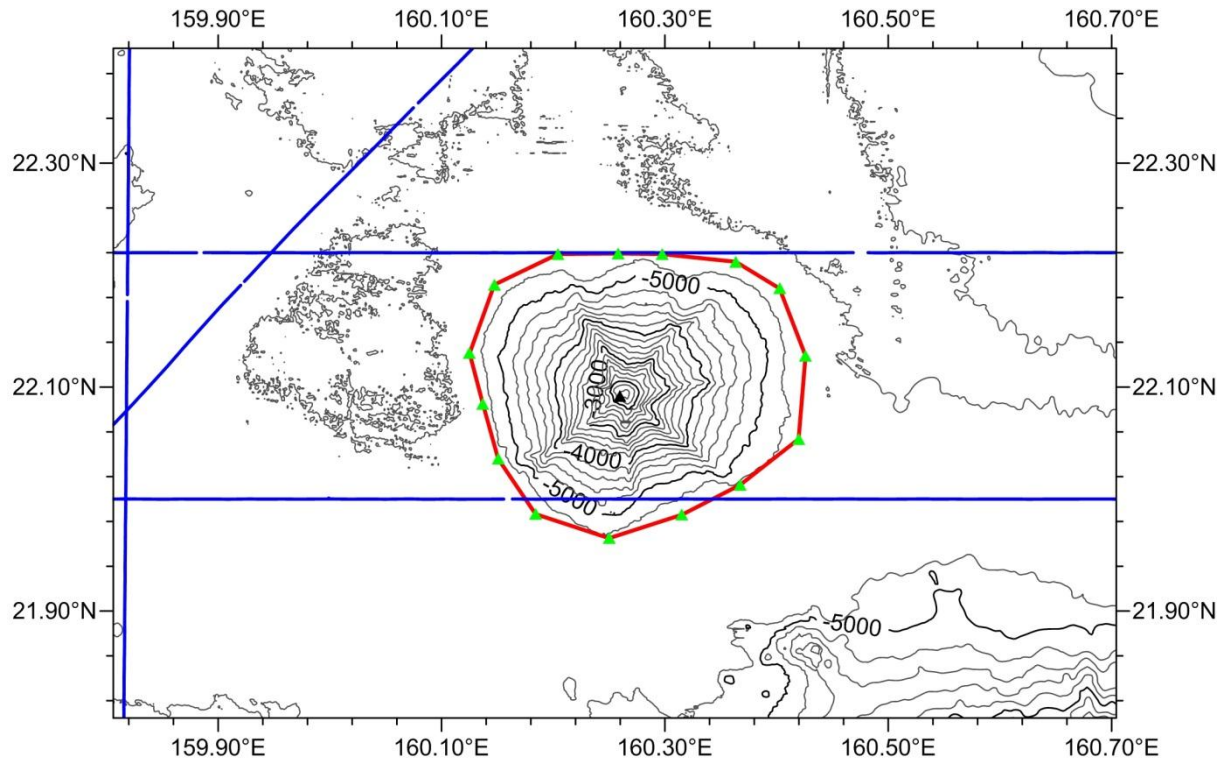


Fig. 3 Bathymetric and survey line map of the Fengming Seamount (the contour interval is 200 m, blue ones are survey lines)

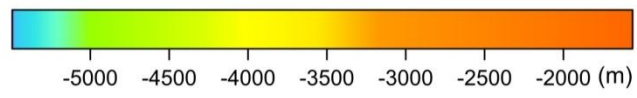
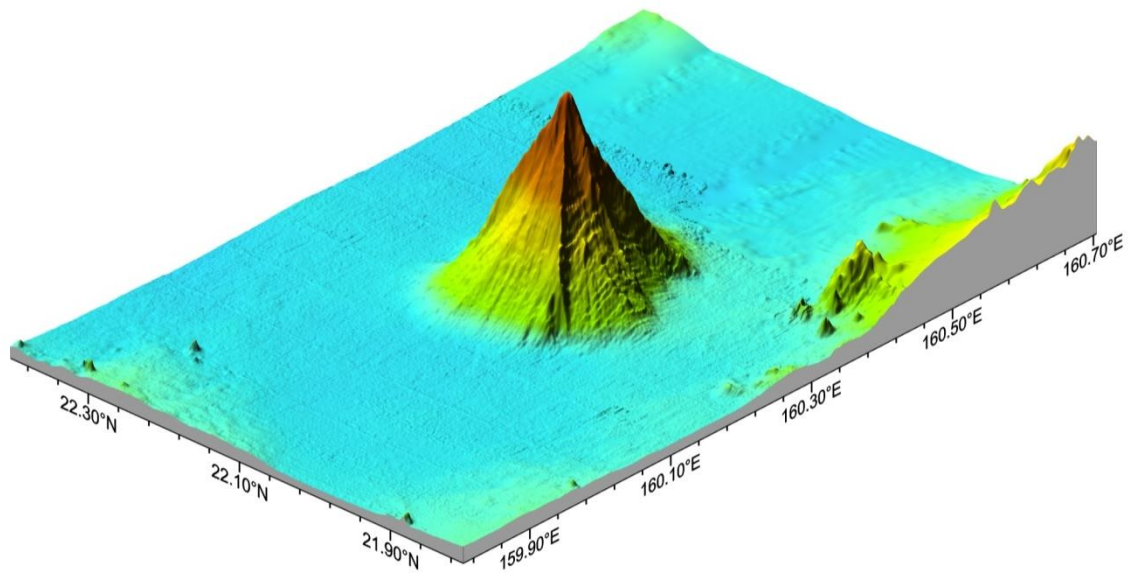


Fig. 4 3-D topography map of the Fengming Seamount

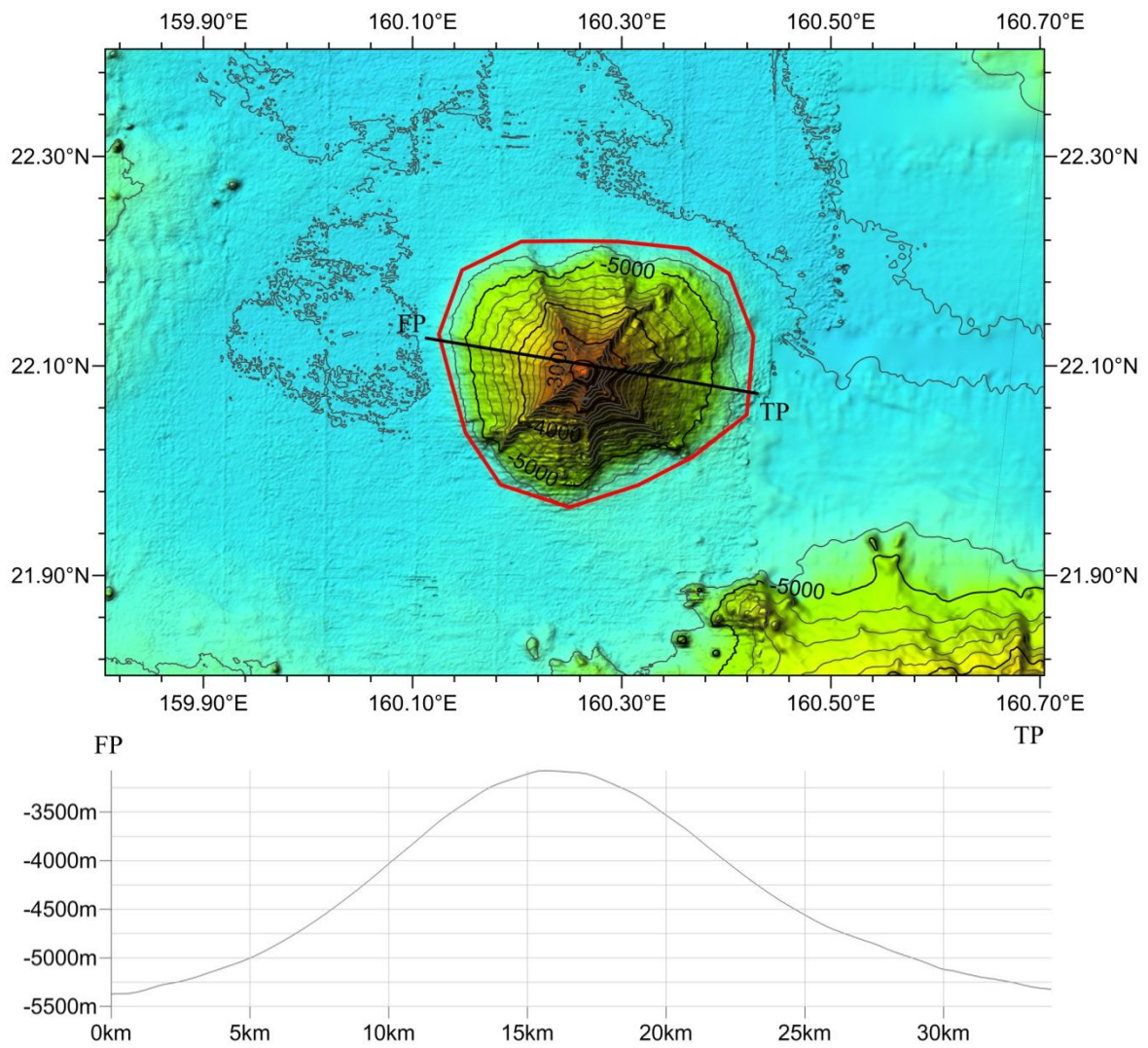


Fig. 5 Profile map of the Fengming Seamount