

**UNDERSEA FEATURE NAME PROPOSAL**

(See NOTE overleaf)

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

<b>Name Proposed:</b>	Fenghuang Knoll	<b>Ocean or Sea:</b>	East Pacific Ocean
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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>	9°16.2' N (Summit)	154°33.9' W (Summit)
	9°14.4' N (Bottom)	154°34.2' W (Bottom)
	9°14.6' N	154°34.8' W
	9°15.7' N	154°35.5' W
	9°16.6' N	154°35.6' W
	9°17.5' N	154°35.0' W
	9°17.8' N	154°33.9' W
	9°17.5' N	154°33.2' W
	9°16.9' N	154°32.5' W
	9°16.0' N	154°32.2' W
	9°15.1' N	154°32.3' W
	9°14.6' N	154°33.1' W
9°14.4' N (Bottom)	154°34.2' W (Bottom)	

<b>Feature Description:</b>	<b>Maximum Depth:</b>	5150 m	<b>Steepness :</b>	
	<b>Minimum Depth :</b>	4289 m	<b>Shape :</b>	Round
	<b>Total Relief :</b>	861 m	<b>Dimension/Size :</b>	6.8 km×6.8 km

<b>Associated Features:</b>	Fenghuang Knoll is located in the Central Pacific Basin and 59 km south of the Weiyuan Seamount. Its overall shape is round.
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<b>Chart/Map References:</b>	<b>Shown Named on Map/Chart:</b>	
	<b>Shown Unnamed on Map/Chart:</b>	GEBCO 5.07
	<b>Within Area of Map/Chart:</b>	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	“Fenghuang” is one of the sacred birds in Chinese culture. It represents gorgeousness and auspiciousness. Nearby associate undersea features were named through the verse lines of the same poem.
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<b>Discovery Facts:</b>	<b>Discovery Date:</b>	Aug 26. 2017
	<b>Discoverer (Individual, Ship):</b>	Chinese R/V Xiangyanghong No.03

<b>Supporting Survey Data, including</b>	<b>Date of Survey:</b>	Aug 26. 2017
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Track Controls:	Survey Ship:	Chinese R/V Xiangyanghong No.03
	Sounding Equipment:	Seabeam 3012
	Type of Navigation:	Veripos Wide Area Differential GPS
	Estimated Horizontal Accuracy (nm):	0.0053 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:	Apr 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 Principality of MONACO 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 France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a>
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# ANNEX

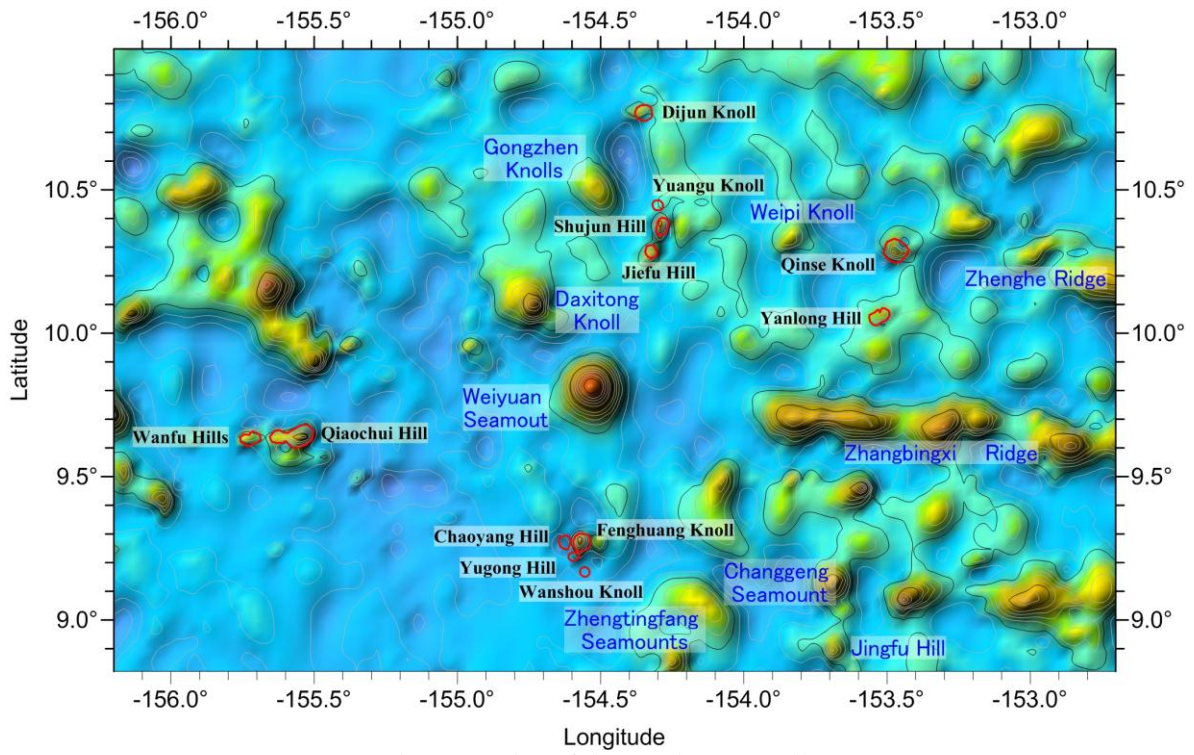


Fig. 1 Location of the Fenghuang Knoll

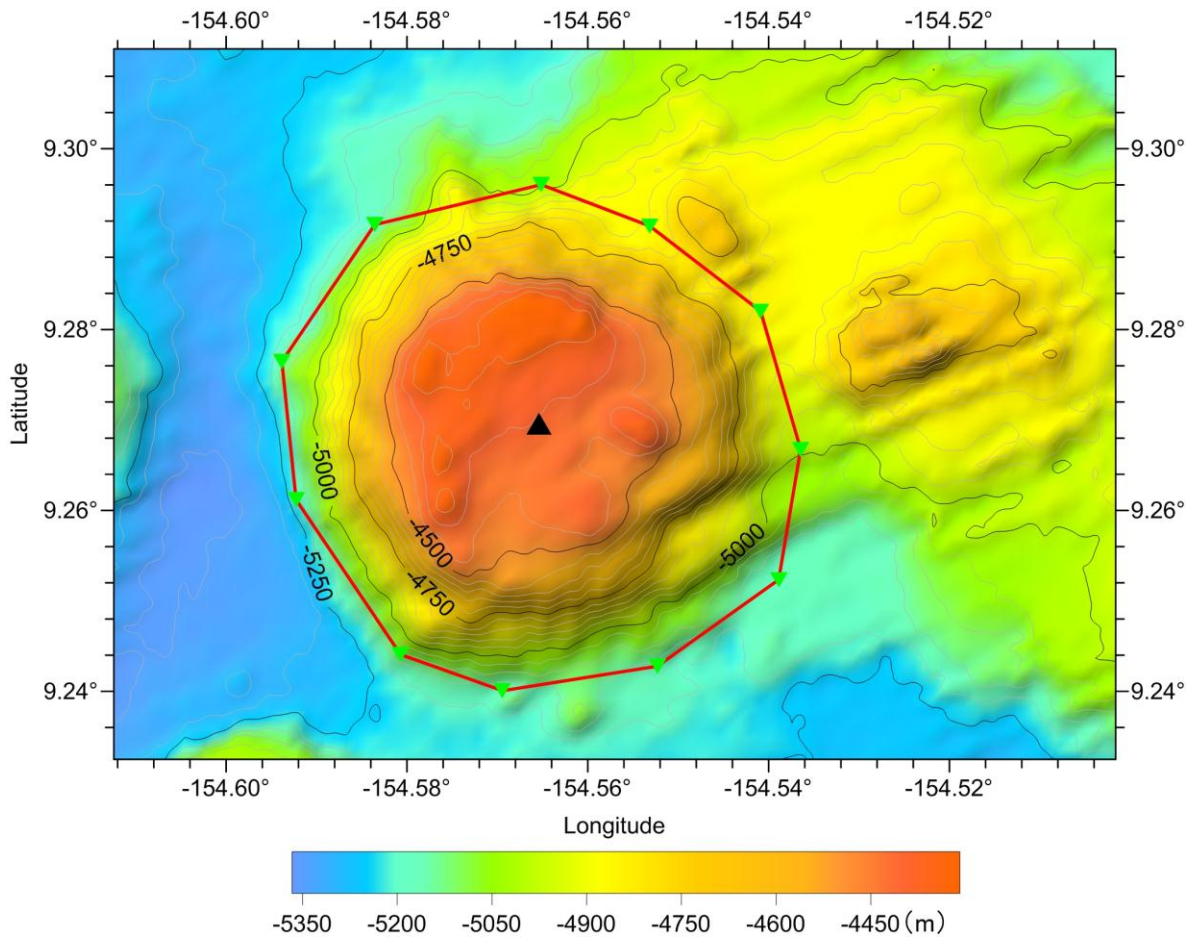


Fig. 2 Bathymetric map of the Fenghuang Knoll (the contour interval is 50 m)

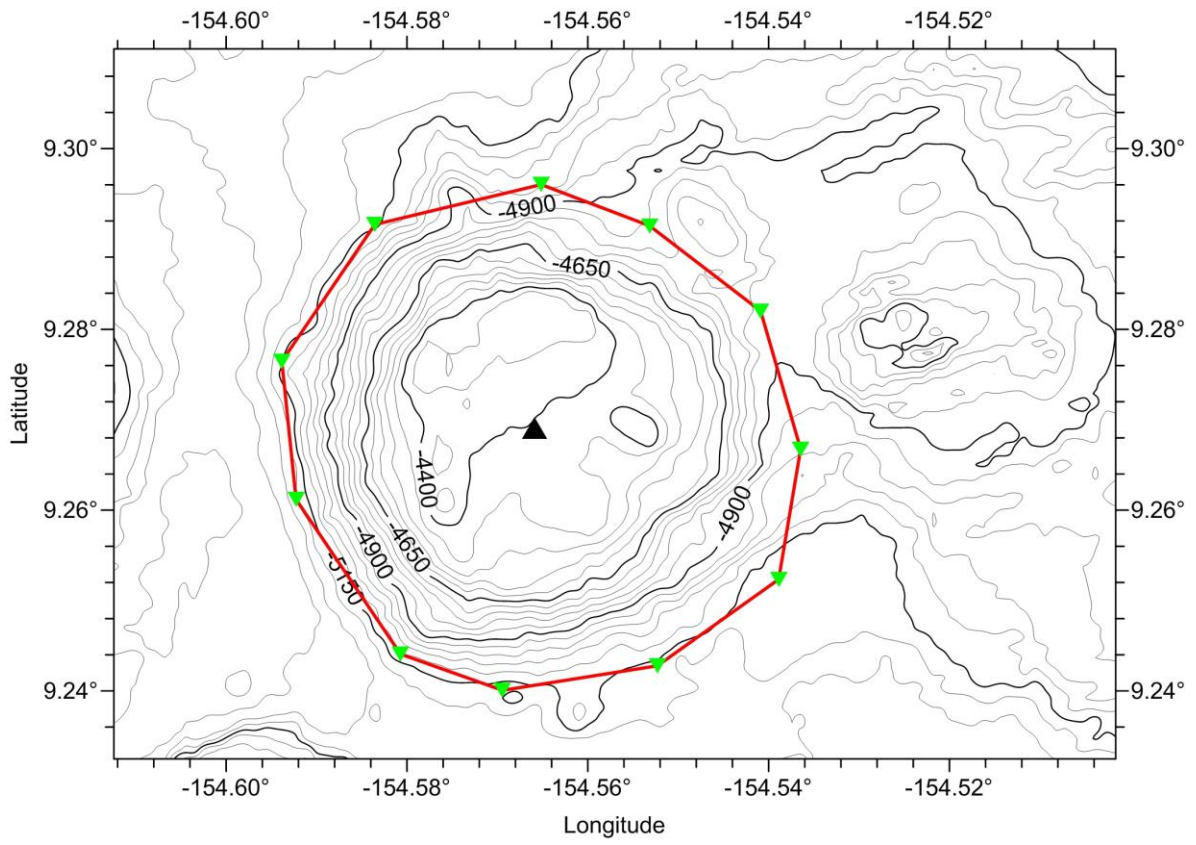


Fig. 3 Bathymetric and survey line map of the Fenghuang Knoll (the contour interval is 50 m, blue ones are survey lines)

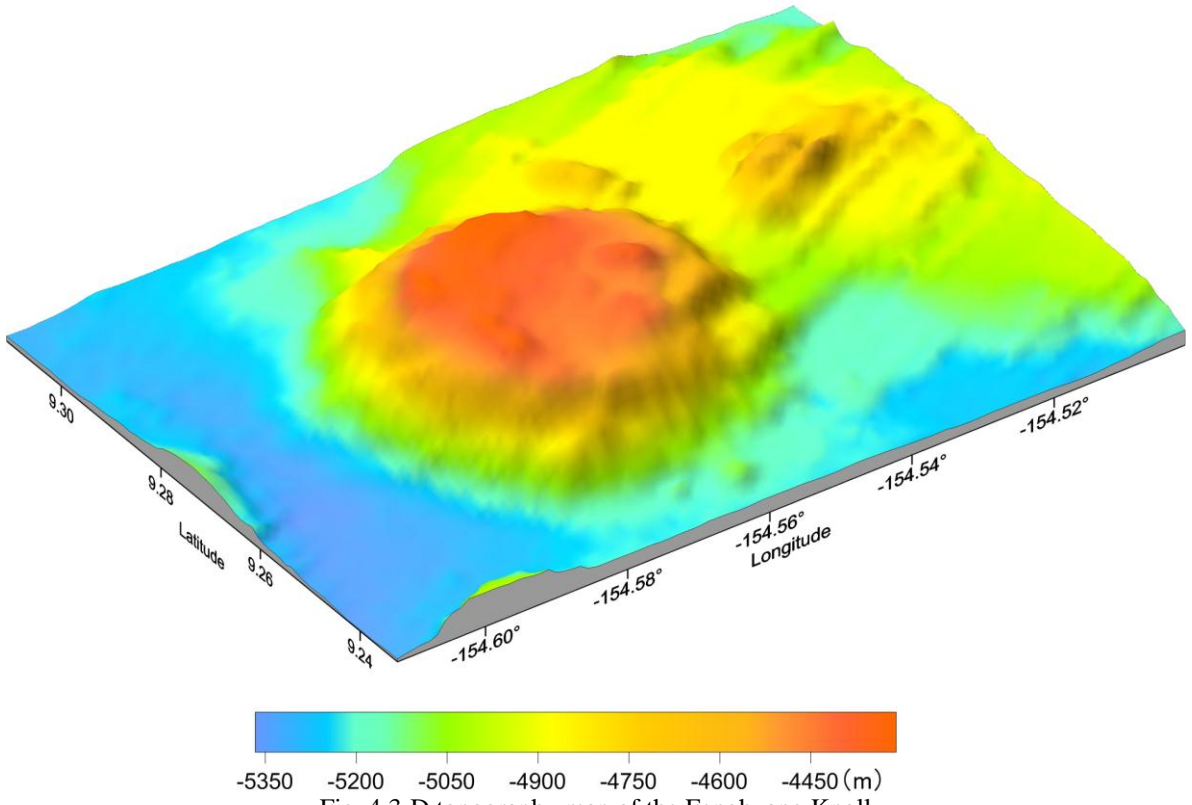


Fig. 4 3-D topography map of the Fenghuang Knoll



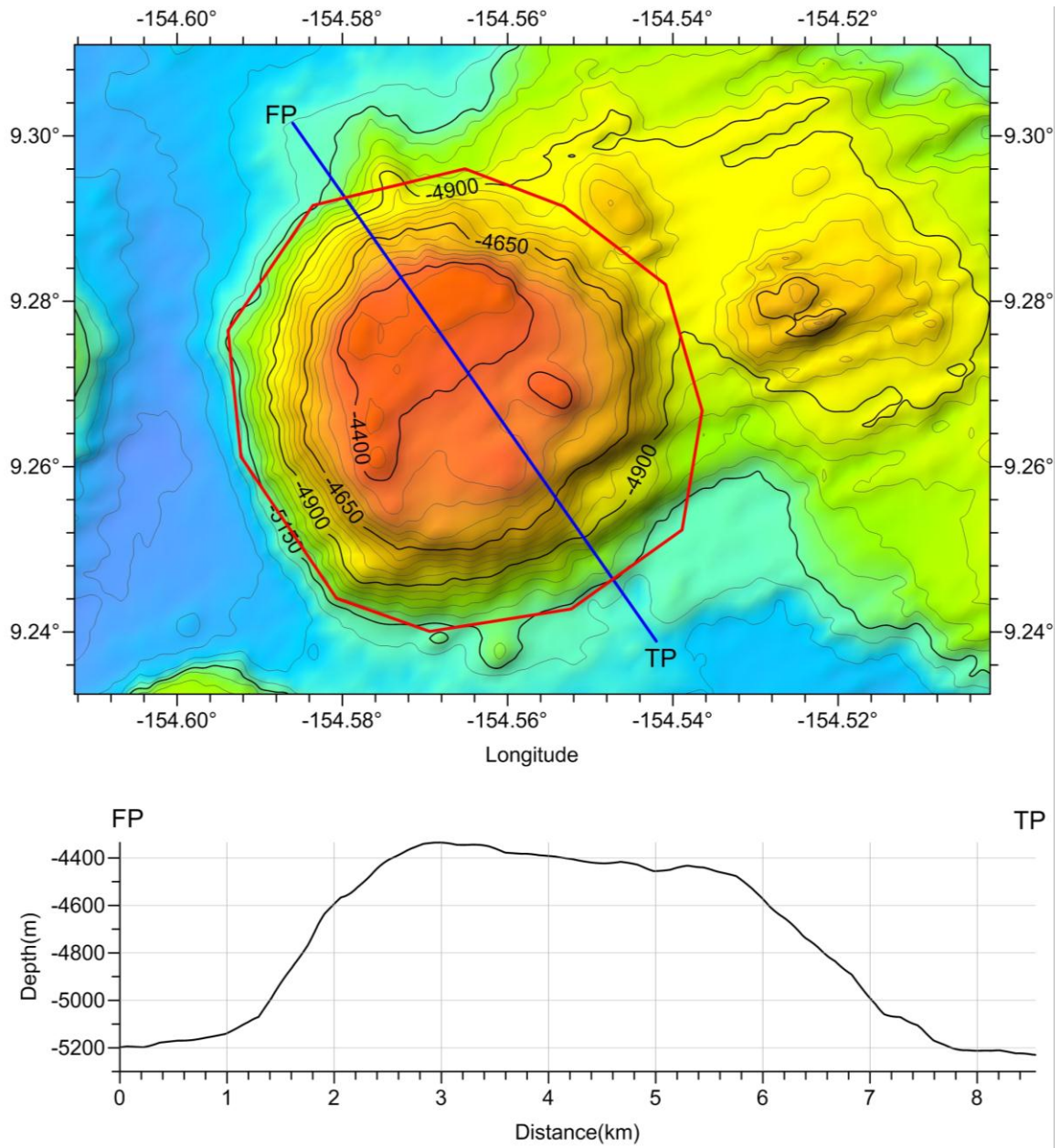


Fig. 5 Profile map of the Fenghuang Knoll