

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Yanhei Seamount	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:	12°07.0'N(Top)	138°43.4'W(Top)
	12°07.7'N(Bottom)	138°41.8'W(Bottom)
	12°06.8'N	138°41.8'W
	12°06.3'N	138°42.1'W
	12°05.6'N	138°43.0'W
	12°05.3'N	138°44.0'W
	12°04.8'N	138°44.4'W
	12°04.7'N	138°44.8'W
	12°04.8'N	138°45.1'W
	12°05.2'N	138°45.4'W
	12°05.3'N	138°45.8'W
	12°05.3'N	138°46.0'W
	12°04.8'N	138°46.5'W
	12°04.4'N	138°46.9'W
	12°04.3'N	138°47.4'W
	12°04.3'N	138°47.9'W
	12°04.7'N	138°48.5'W
	12°05.5'N	138°49.3'W
	12°06.4'N	138°49.5'W
	12°07.2'N	138°49.3'W
12°07.5'N	138°48.8'W	
12°07.5'N	138°48.1'W	
12°06.9'N	138°46.6'W	
12°07.8'N	138°46.0'W	
12°08.6'N	138°45.3'W	
12°08.9'N	138°44.6'W	

	12°09.2'N	138°43.1'W
	12°08.9'N	138°42.2'W
	12°07.7'N(Bottom)	138°41.8'W(Bottom)

Feature Description:	Maximum Depth:	4926m	Steepness :	
	Minimum Depth :	3734m	Shape :	
	Total Relief :	1192m	Dimension/Size :	15km×7km

Associated Features:	Yanhei Seamount is located 306 km east to the Egiazarov Seamount. It has an overlook plane shape like a peanut.
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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):	<p>We name 6 features in this area after 6 kinds of seabird of family Hydrobatidae, which usually appear in the Pacific Ocean. Black-and-white-tailed sea swallow is a typical oceanic seabird under the genus Hymenoptera. It is distributed in the Pacific Ocean. This seamount is named after “Yanhei”, the name of this kind of</p>  <p>seabird in Chinese.</p>
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Discovery Facts:	Discovery Date:	2017.9-2017.11
	Discoverer (Individual, Ship):	Chinese R/V Xiang Yang Hong No.6

Supporting Survey Data, including Track Controls:	Date of Survey:	2017.9-2017.11
	Survey Ship:	Chinese R/V Xiang Yang Hong No.6
	Sounding Equipement:	Multi-beam Echo Sounding System (EM122)

Type of Navigation:	GPS
Estimated Horizontal Accuracy (nm):	≤0.08nm
Survey Track Spacing:	5nm
Supporting material can be submitted as Annex in analog or digital form. See Annex	

Proposer(s):	Name(s):	China Minmetals Corporation
	Date:	2018.4.8
	E-mail:	support@minmetals.com
	Organization and Address:	Wu Kuang Square A Building, No.3 Chaoyangmen North Street, Dongcheng 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.64 Fuchengmennei Street, Xicheng District, Beijing, China, 100812 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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ANNEX

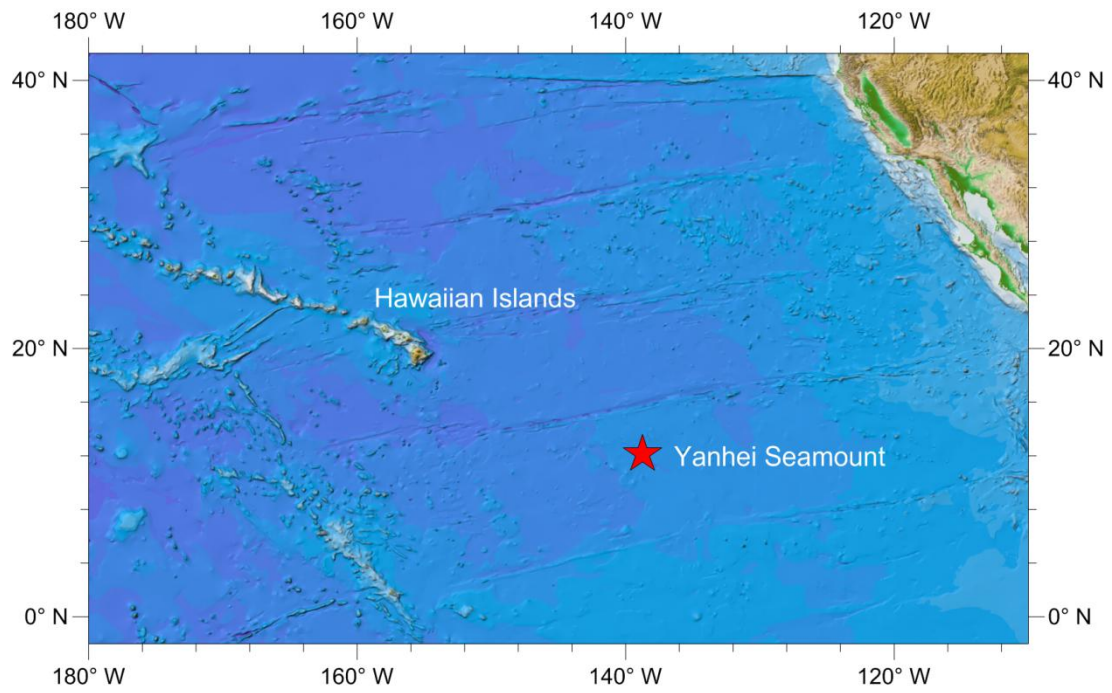


Fig.1 Location of the Yanhei Seamount

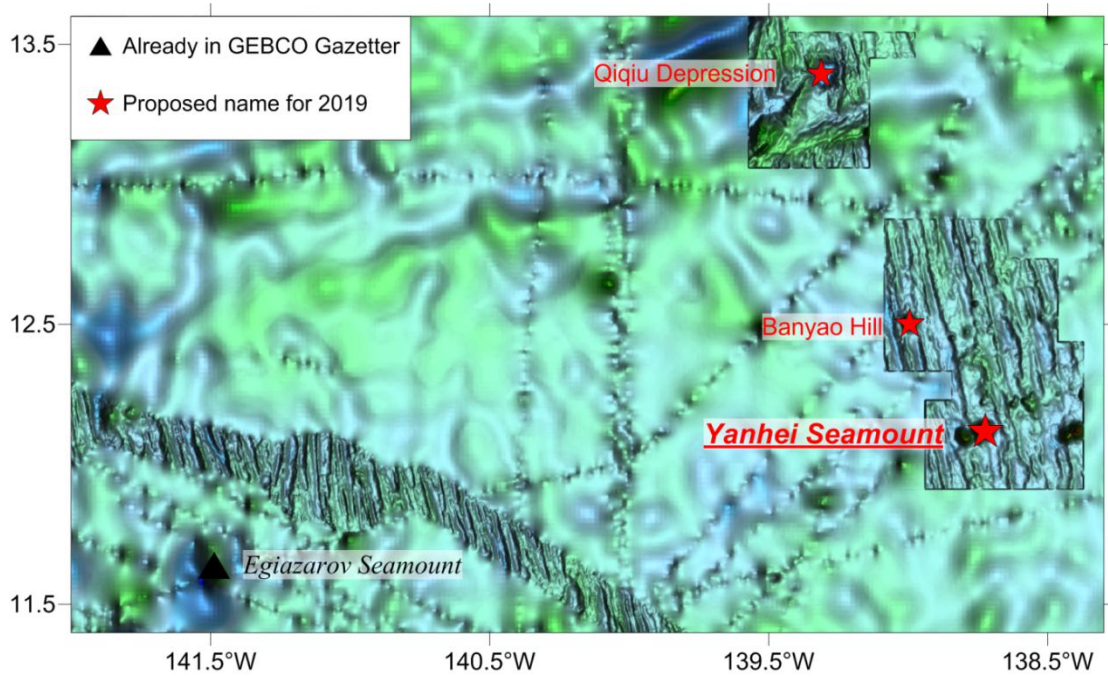


Fig.2 Regional bathymetry map with nearby features of Yanhei Seamount

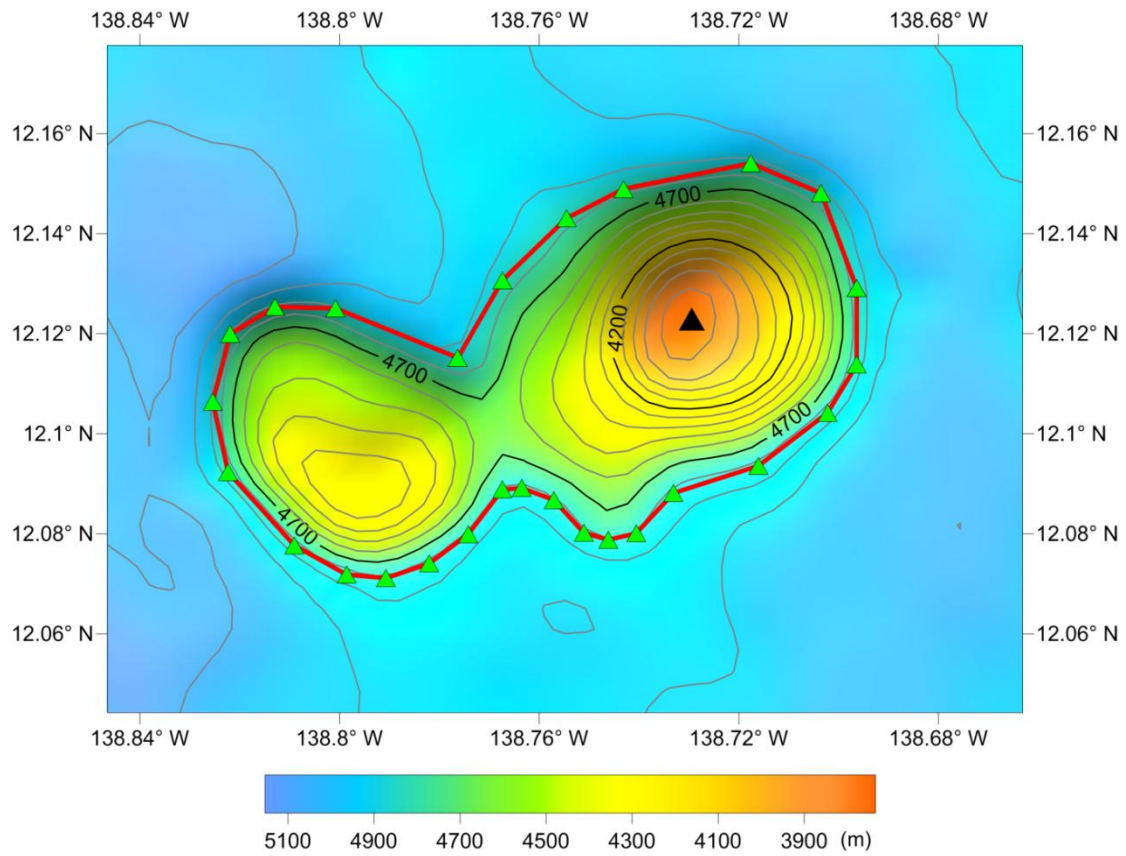


Fig.3 Bathymetric map of the Yanhei Seamount (the contour interval is 100 m)

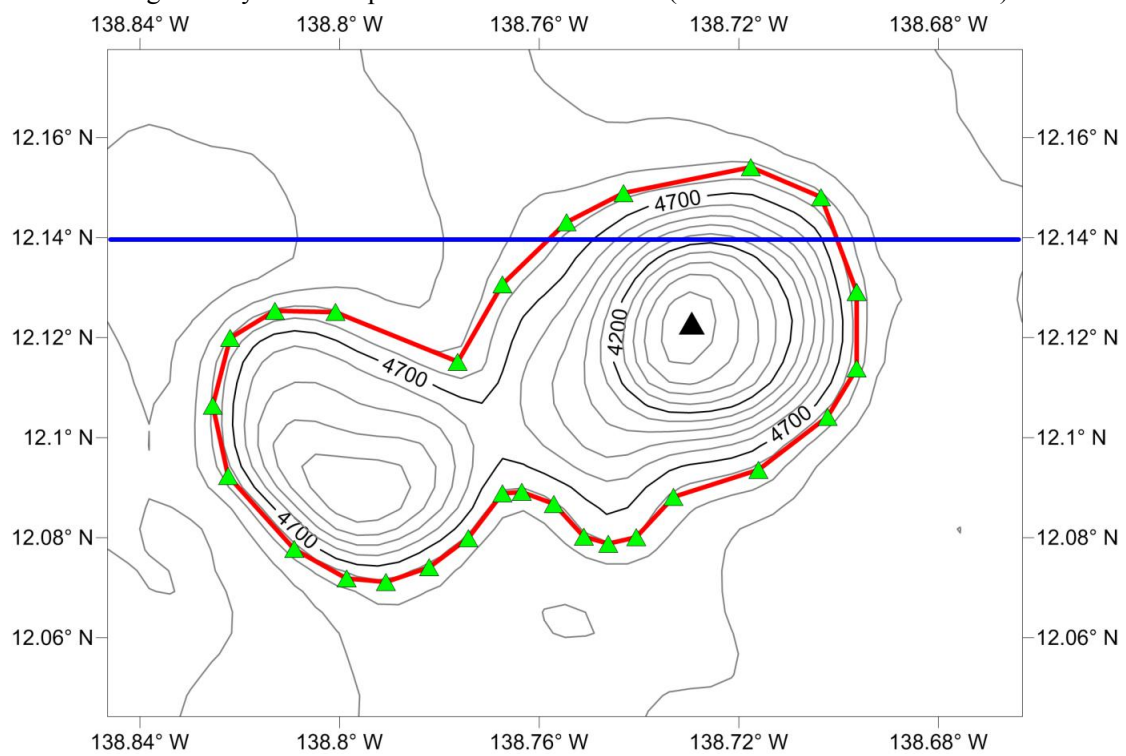


Fig.4 Bathymetric and survey line map of the Yanhei Seamount (the contour interval is 100 m, blue ones are survey lines)

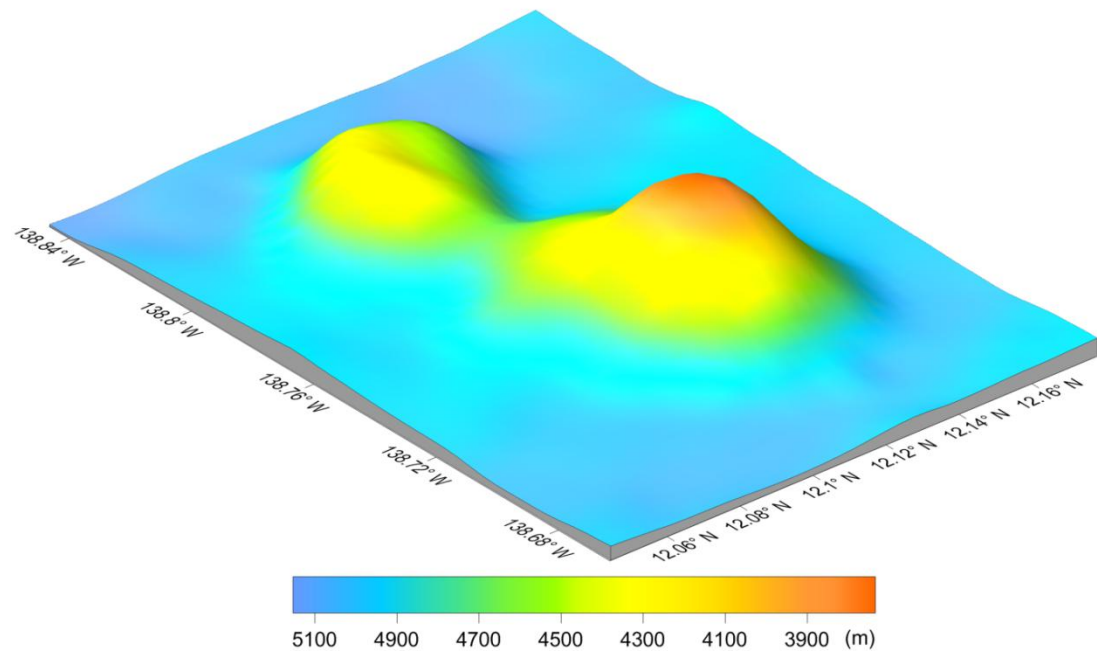


Fig.5 3-D topography map of the Yanhei Seamount

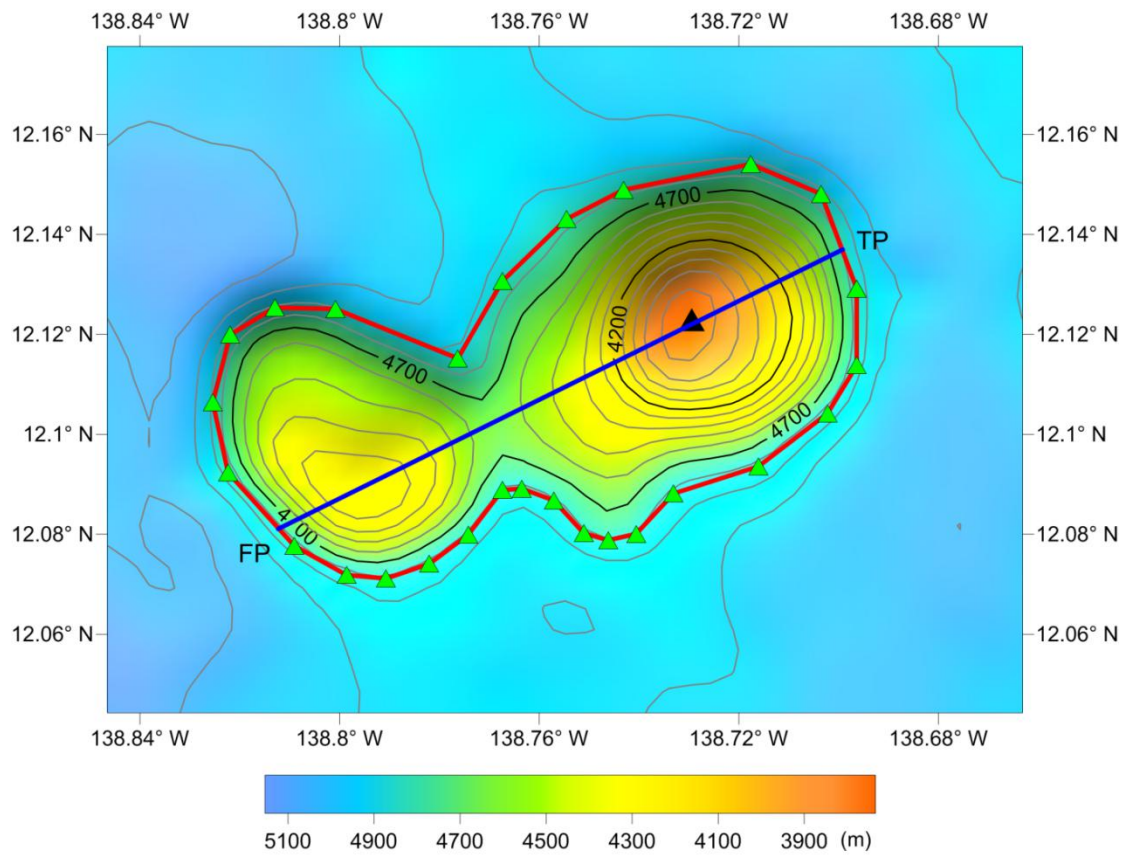


Fig.6 Profile map of the Yanhei Seamount