

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Hechi Hills	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°54.1'N(Top)	139°14.5'W(Top)
	10°52.3'N(Top)	139°14.5'W(Top)
	10°55.3'N (Bottom)	139°14.8'W (Bottom)
	10°54.9'N	139°15.4'W
	10°54.4'N	139°15.6'W
	10°53.8'N	139°15.6'W
	10°53.4'N	139°15.2'W
	10°53.1'N	139°15.0'W
	10°52.6'N	139°15. 2'W
	10°52.0'N	139°15.2'W
	10°51.7'N	139°14.8'W
	10°51.7'N	139°14.1'W
	10°52.2'N	139°13.7'W
	10°52.3'N	139°13.7'W
	10°53.0'N	139°13.9'W
	10°53.3'N	139°13.8'W
	10°54.0'N	139°13.5'W
	10°54.5'N	139°13.5'W
10°55.2'N	139°13.7'W	
10°55.5'N	139°14.0'W	
10°55.5'N	139°14.4'W	
10°55.3'N (Bottom)	139°14.8'W (Bottom)	

Feature Description:	Maximum Depth:	4933m	Steepness :	
	Minimum Depth :	4554m	Shape :	
	Total Relief :	379m	Dimension/Size :	7km×4km

Associated Features:	Hechi Hills is located 258 km northwest to the Egiazarov Seamount. It has an overlook plane shape like two connected circles.
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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. The brown-winged-tailed sea swallow is a kind of seabird under the genus Hymenoptera. It is distributed in the Pacific Ocean. The hills are named after “Hechi”, the name of this 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

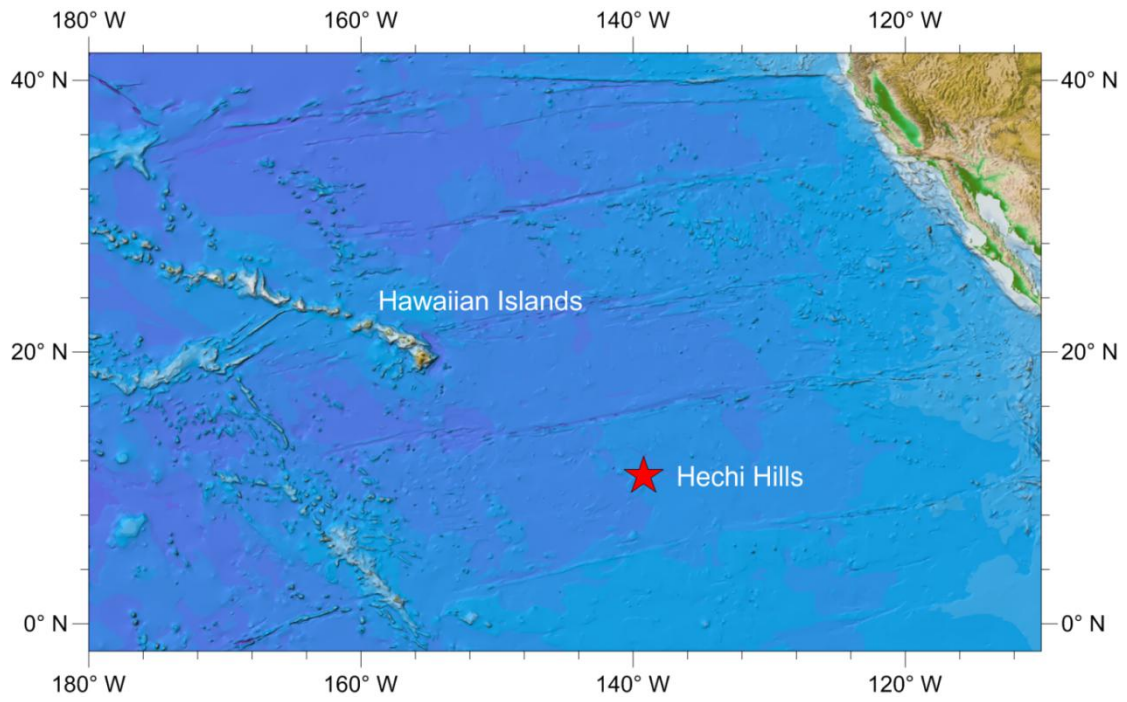


Fig.1 Location of the Hechi Hills

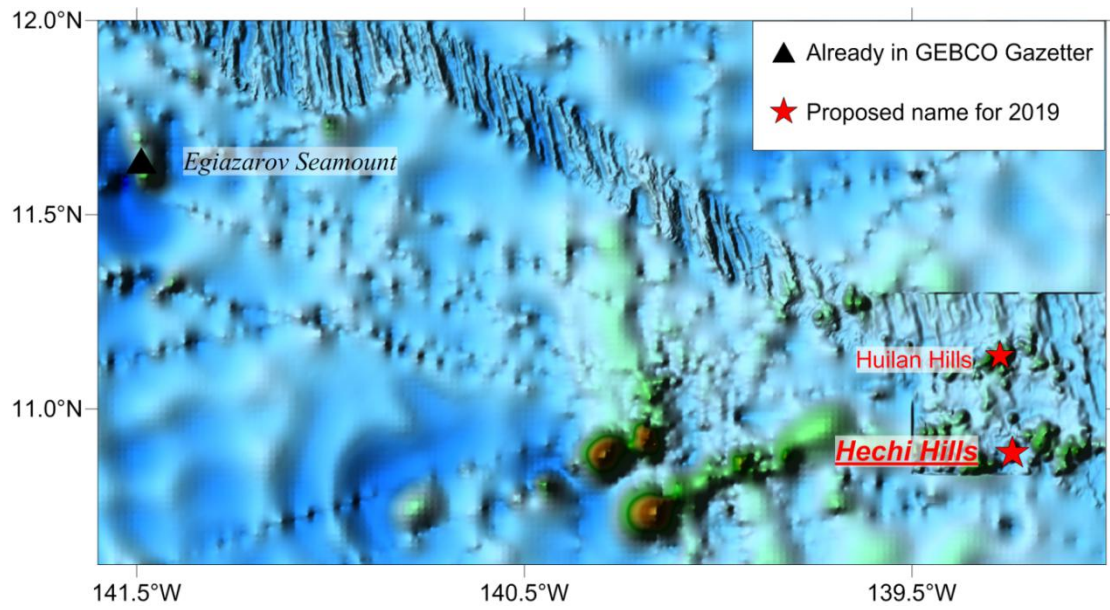


Fig.2 Regional bathymetry map with nearby features of Hechi Hills

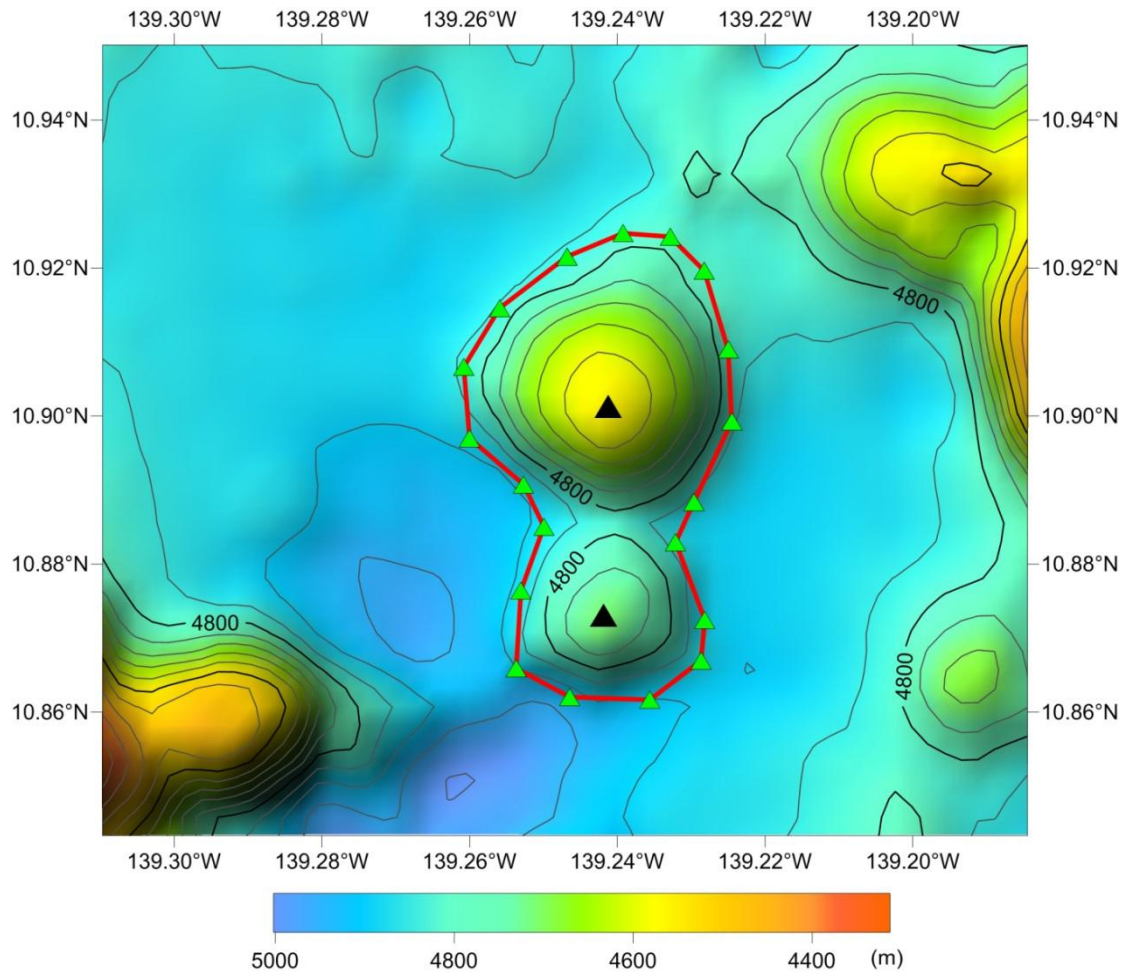


Fig.3 Bathymetric map of the Hechi Hills(the contour interval is 100 m)

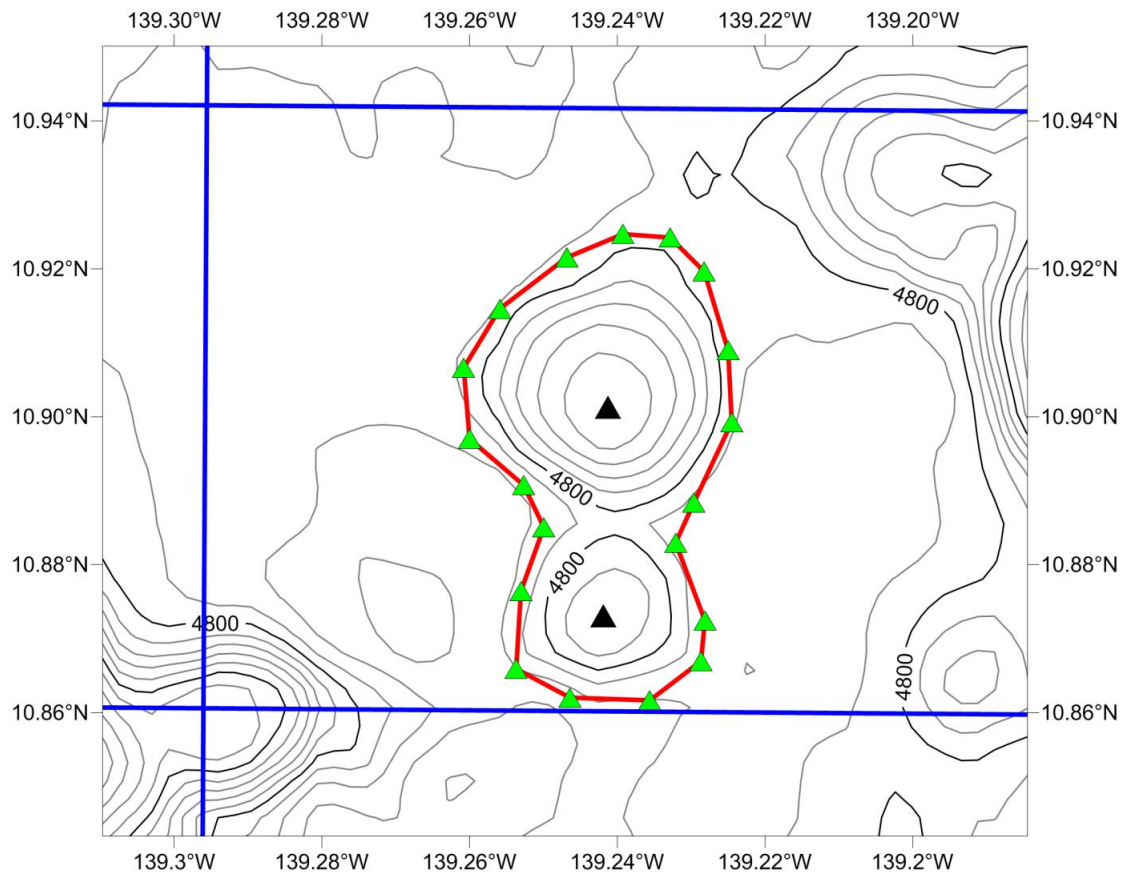


Fig.4 Bathymetric and survey line map of the Hechi Hills(the contour interval is 100 m, blue ones are survey lines)

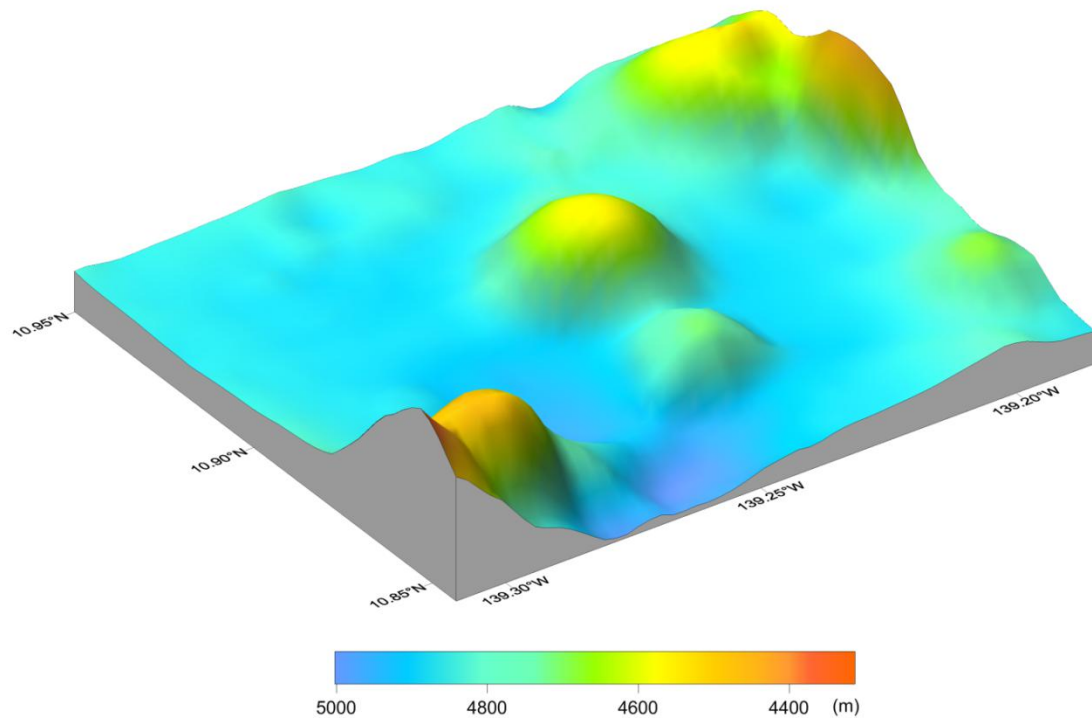


Fig.5 3-D topography map of the Hechi Hills

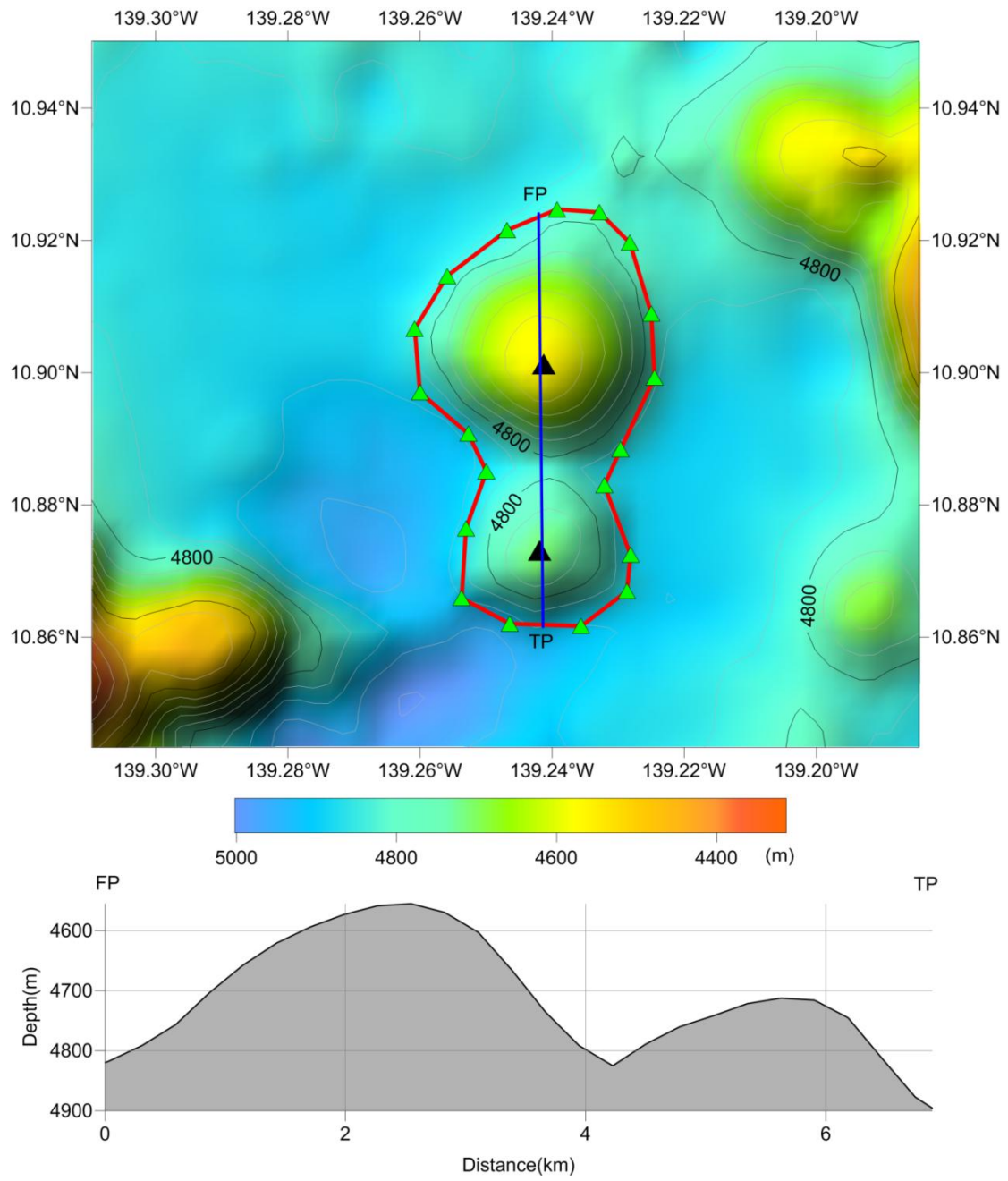


Fig.6 Profile map of the Hechi Hills