

**UNDERSEA FEATURE NAME PROPOSAL**

(See NOTE overleaf)

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

<b>Name Proposed:</b>	Mahuan Hill	<b>Ocean or Sea:</b>	the South China Sea
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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>	07°07.7'N (summit)	111°17.8'E (summit)
	07°07.5'N (bottom)	111°10.6'E (bottom)
	07°10.0'N	111°09.9'E
	07°12.2'N	111°05.8'E
	07°13.5'N	111°02.0'E
	07°15.8'N	111°01.9'E
	07°16.6'N	111°03.7'E
	07°17.2'N	111°05.1'E
	07°17.0'N	111°08.8'E
	07°15.1'N	111°12.6'E
	07°11.5'N	111°20.7'E
	07°06.5'N	111°23.2'E
	07°06.0'N	111°24.1'E
	07°04.5'N	111°25.4'E
	07°00.9'N	111°25.3'E
	06°59.8'N	111°19.5'E
	06°58.2'N	111°17.3'E
07°05.3'N	111°10.6'E	
07°07.5'N	111°10.6'E	

<b>Feature Description:</b>	Maximum Depth:	1985m	Steepness :	2°-7°
	Minimum Depth :	1059m	Shape :	Irregular
	Total Relief :	926m	Dimension/Size :	48km × 25km

<b>Associated Features:</b>	Mahuan Hill lies in the south of the South China Sea. The shape of this hill is irregular. There are several peaks on the top of this hill.
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.06
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the	Ma Huan (14 <sup>th</sup> -15 <sup>th</sup> century, the year of birth and death is unknown) was a navigator of Ming Dynasty (1368-1644) of China. He
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feature to be named):	conducted three voyages with Zheng He's fleet and passed by the South China Sea several times. The hill named after him is to commemorate his navigation activities.
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<b>Discovery Facts:</b>	Discovery Date:	2000
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	2000-2001
	Survey Ship:	R/V Haiyang Sihao
	Sounding Equipment:	Multi-beam sounding system ( Seabeam2112 )
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy (nm):	<=0.08 nm
	Survey Track Spacing:	4.2nm
	Supporting material can be submitted as Annex in analog or digital form.	

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<b>Remarks:</b>	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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**Attachment**

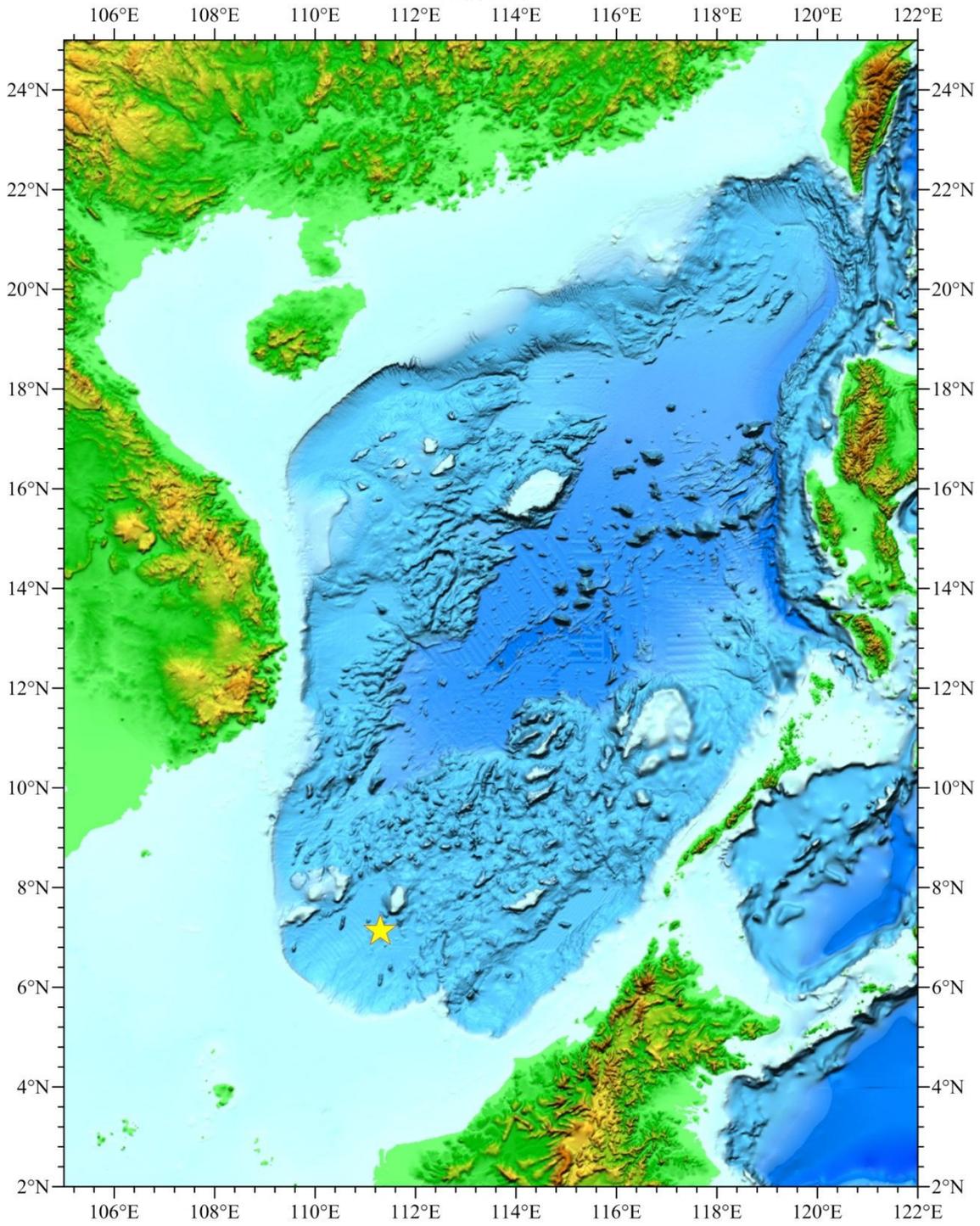
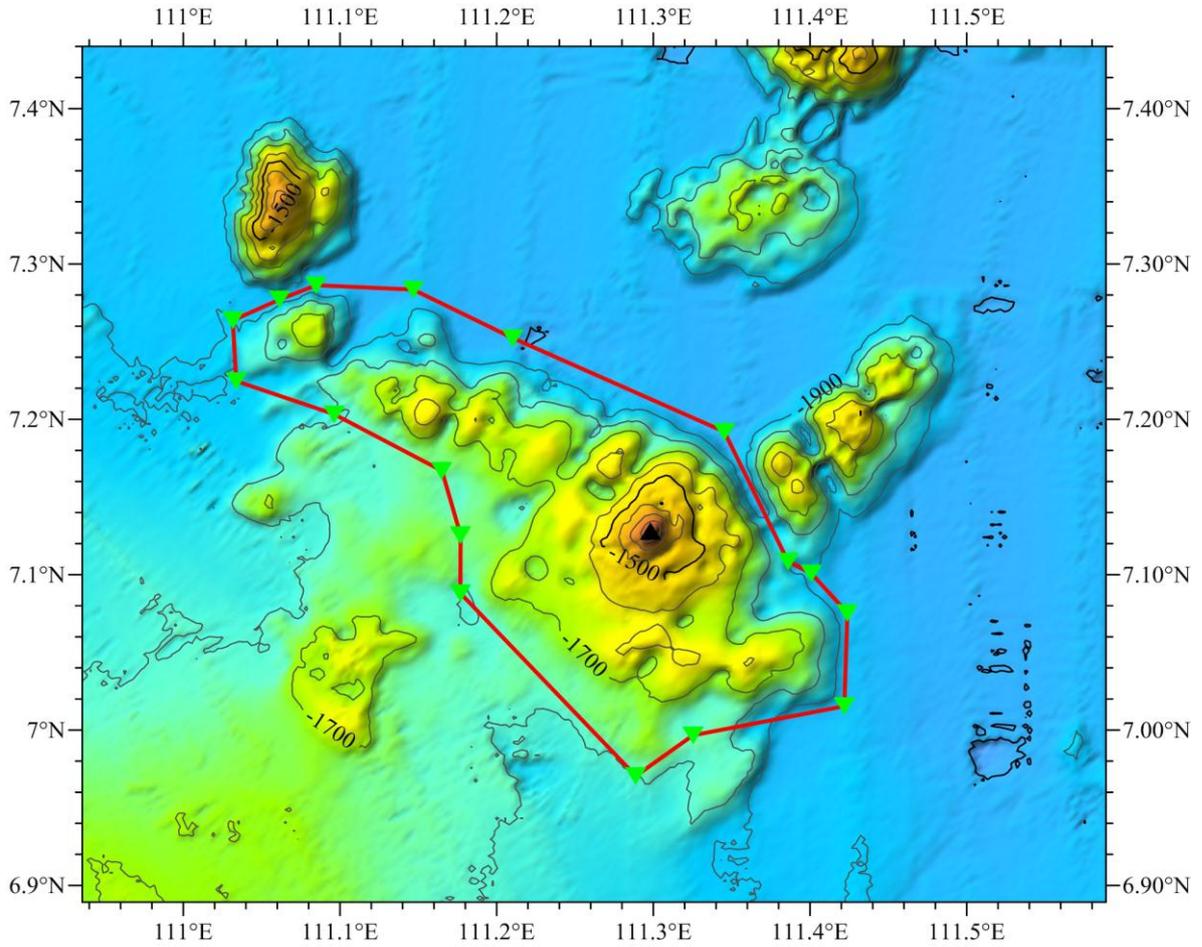


Fig.1 Index map showing the location of Mahuan Hill



-2000 -1900 -1800 -1700 -1600 -1500 -1400 -1300 -1200 -1100 (m)  
Fig.2 Bathymetric map of Mahuan Hill (Contours are in 100 m)

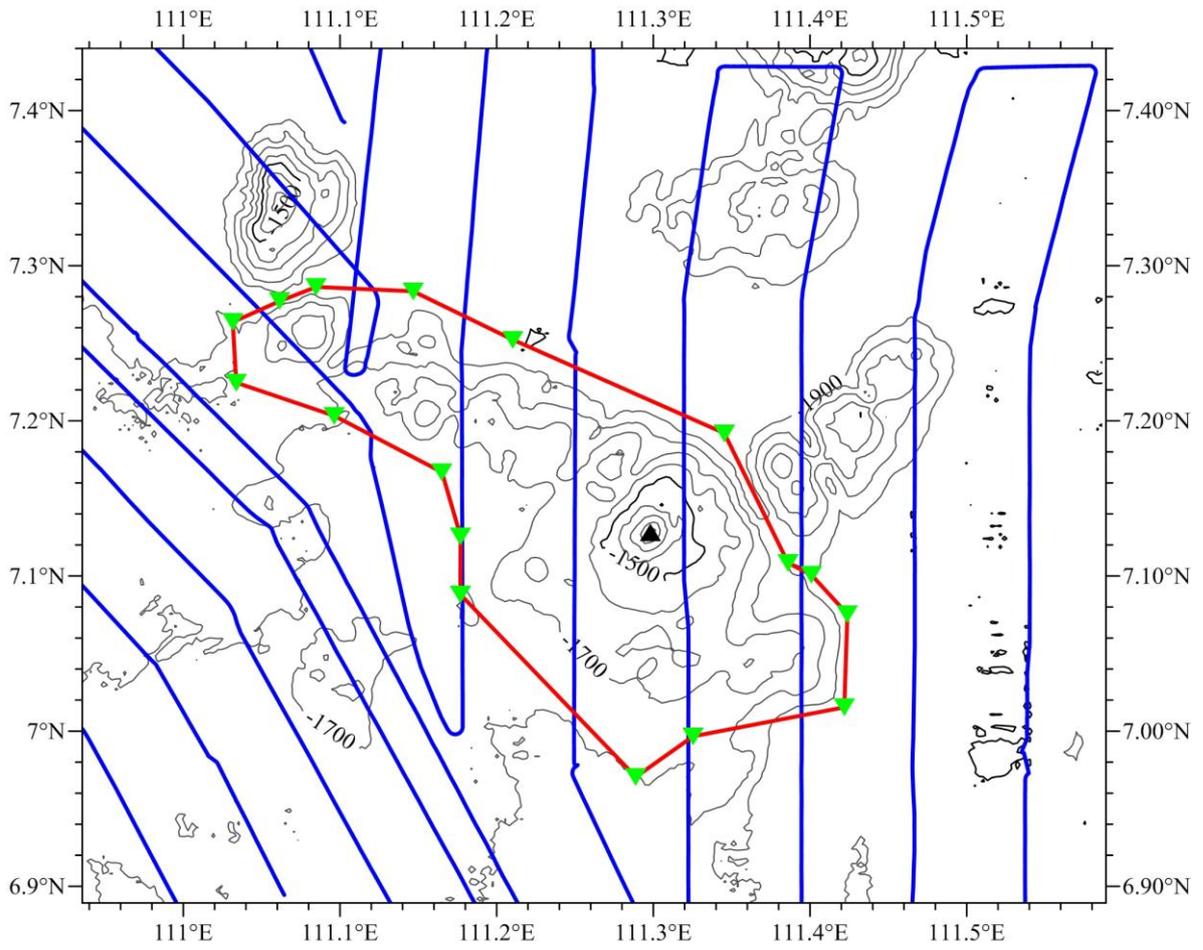


Fig.3 Bathymetric map of Mahuan Hill overlain with track lines  
(Contours are in 100 m, blue lines for the track lines)

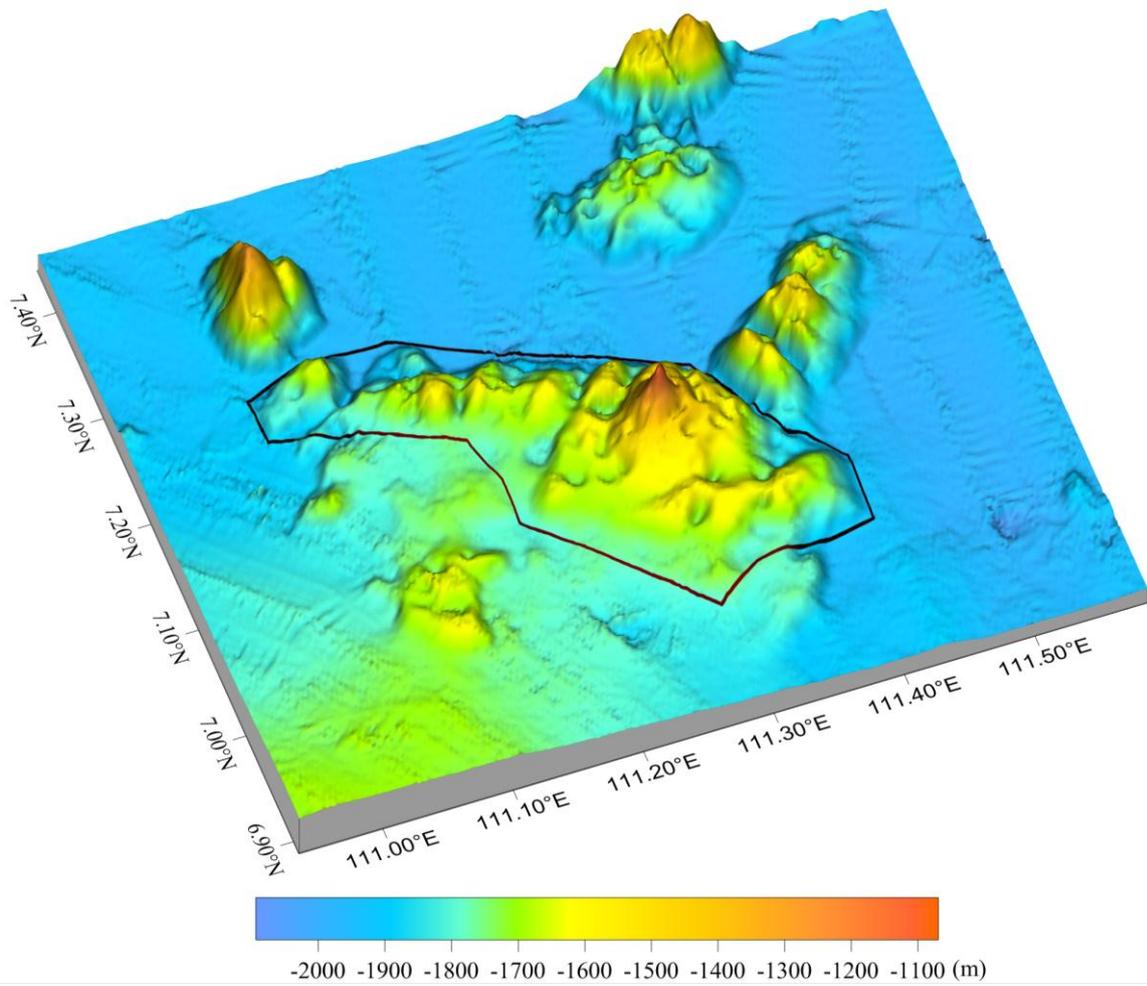


Fig.4 3-D bathymetric map of Mahuan Hill

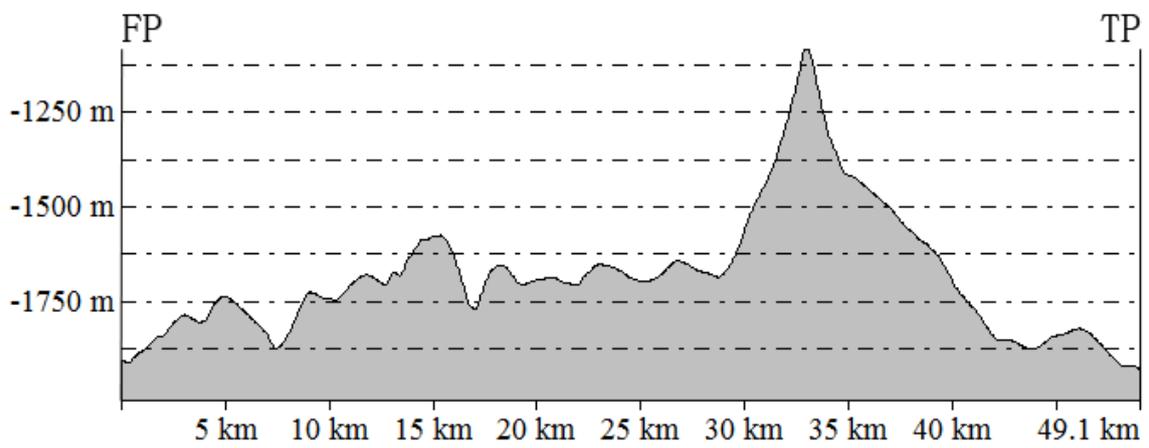
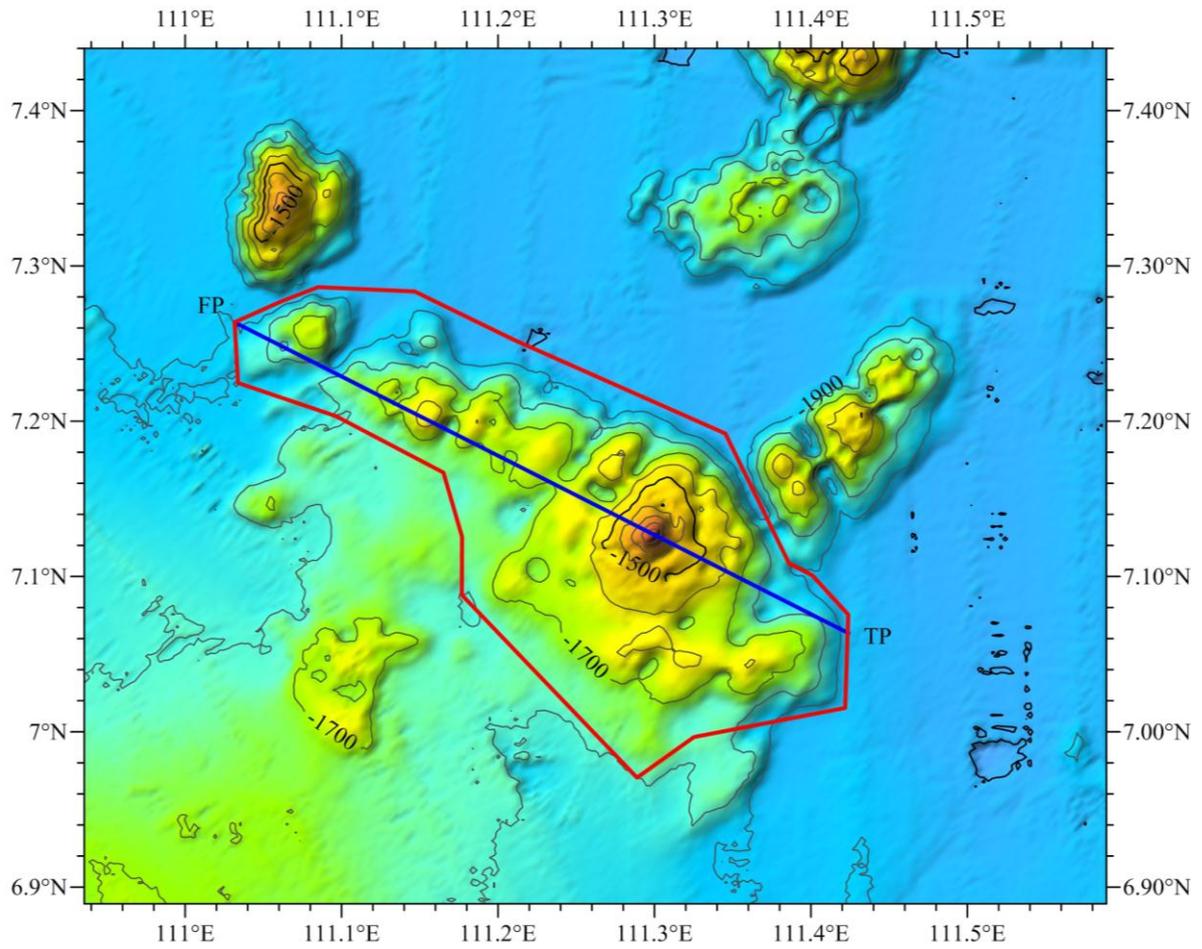


Fig.5 Profile map of Mahuan Hill