

UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

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

Name Proposed:	Mahuan Hill	Ocean or Sea:	South China Sea
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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:	7°07.7' N (submit)	111°17.9' E (submit)
	7°07.5' N (bottom)	111°10.6' E (bottom)
	7°10.0' N	111°09.9' E
	7°12.2' N	111°05.8' E
	7°13.5' N	111°02.0' E
	7°15.8' N	111°01.9' E
	7°16.6' N	111°03.7' E
	7°17.2' N	111°05.1' E
	7°17.0' N	111°08.8' E
	7°15.1' N	111°12.6' E
	7°11.5' N	111°20.7' E
	7°06.5' N	111°23.2' E
	7°06.0' N	111°24.1' E
	7°04.5' N	111°25.4' E
	7°00.9' N	111°25.3' E
	6°59.8' N	111°19.5' E
	6°58.2' N	111°17.3' E
7°05.3' N	111°10.6' E	
7°07.5' N (bottom)	111°10.6' E (bottom)	

Feature Description:	Maximum Depth:	1985m	Steepness :	
	Minimum Depth :	1059m	Shape :	
	Total Relief :	926m	Dimension/Size :	48km × 25km

Associated Features:	Mahuan Hill lies in the southern South China Sea. The shape of this hill is irregular.
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.06
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Mahuan (14 th -15 th century) was a Chinese navigator in the Ming dynasty of China. He took three voyages with Zhenghe's fleet to the South China Sea. His book "Ying Ya Sheng Lan" (Wonders Overseas) is the primary material for study of the communication
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	between Africa and Asia, China and the west world in the 15 th century. This hill is named after Mahuan to commemorate his great contribution in sailing history.
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Discovery Facts:	Discovery Date:	2000
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

Supporting Survey Data, including Track Controls:	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.	

Proposer(s):	Name(s):	Zhu Benduo, Huang Wenxing
	Date:	2016.8.10
	E-mail:	Zhubenduo@163.com
	Organization and Address:	Guangzhou Marine Geological Survey, China Geological Survey. No.188 Guanghai Rd., Huangpu District, Guangzhou, China.

Remarks:	The proposal has been reviewed and approved by Sub-Committee on Undersea Feature Names of China Committee on Geographical Names (CCUFN) No.1 Fuxingmenwai Ave. Beijing 100860 heyunxu@sina.com
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Attachment

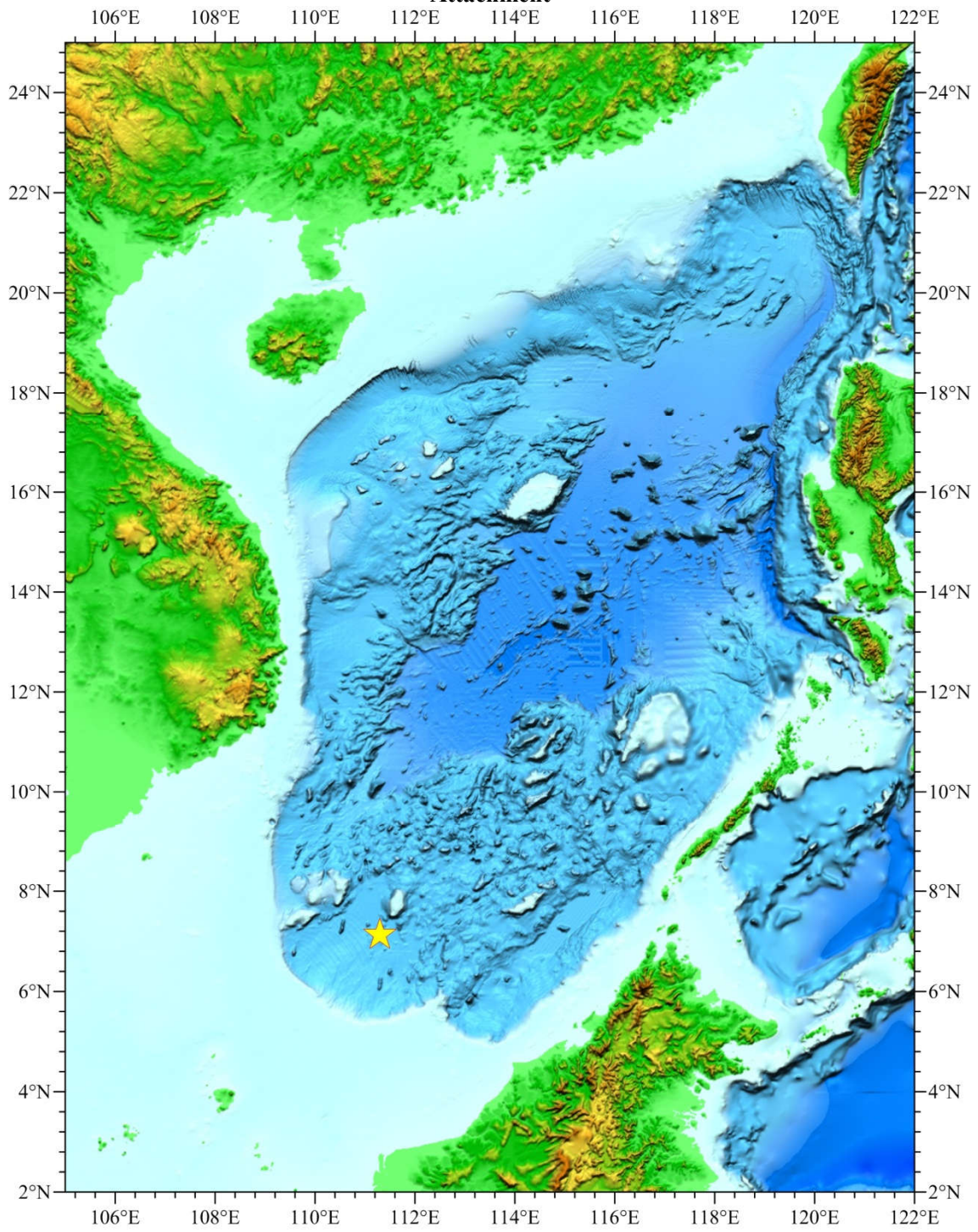


Fig.1 Index map showing the location of the Mahuan Hill

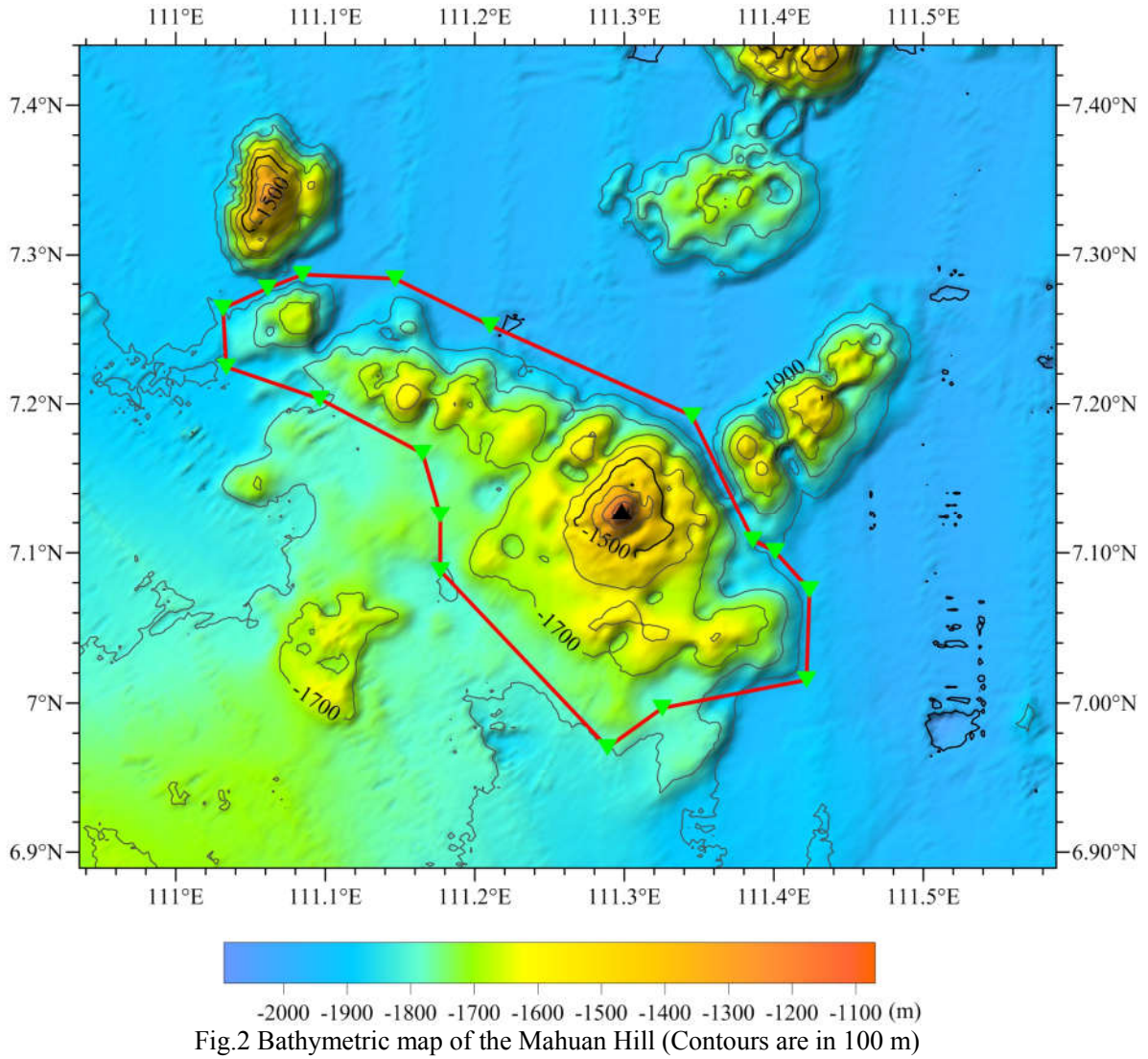


Fig.2 Bathymetric map of the Mahuan Hill (Contours are in 100 m)

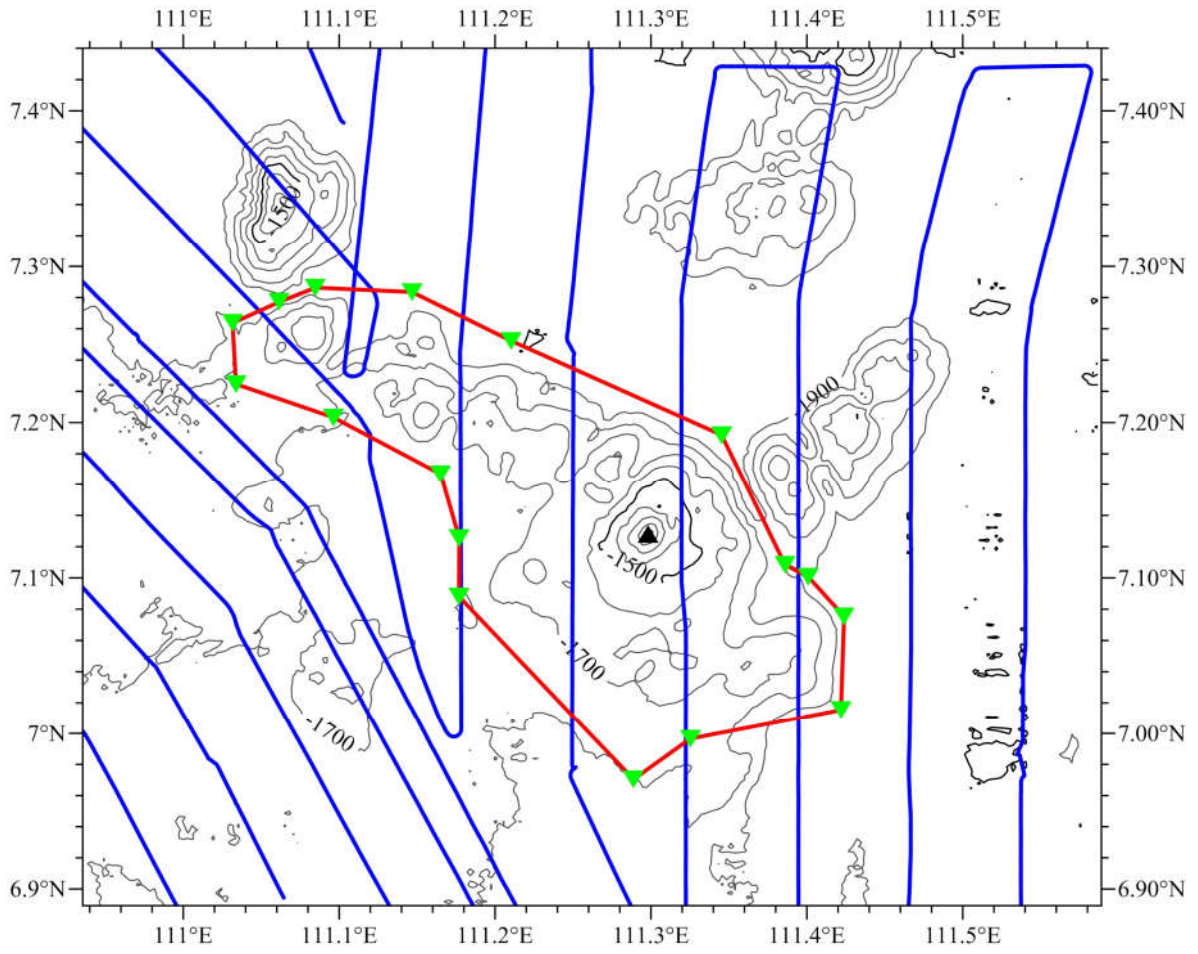


Fig.3 Bathymetric map of the Mahuan Hill overlain with track lines
(Contours are in 100 m, blue lines for the track lines)

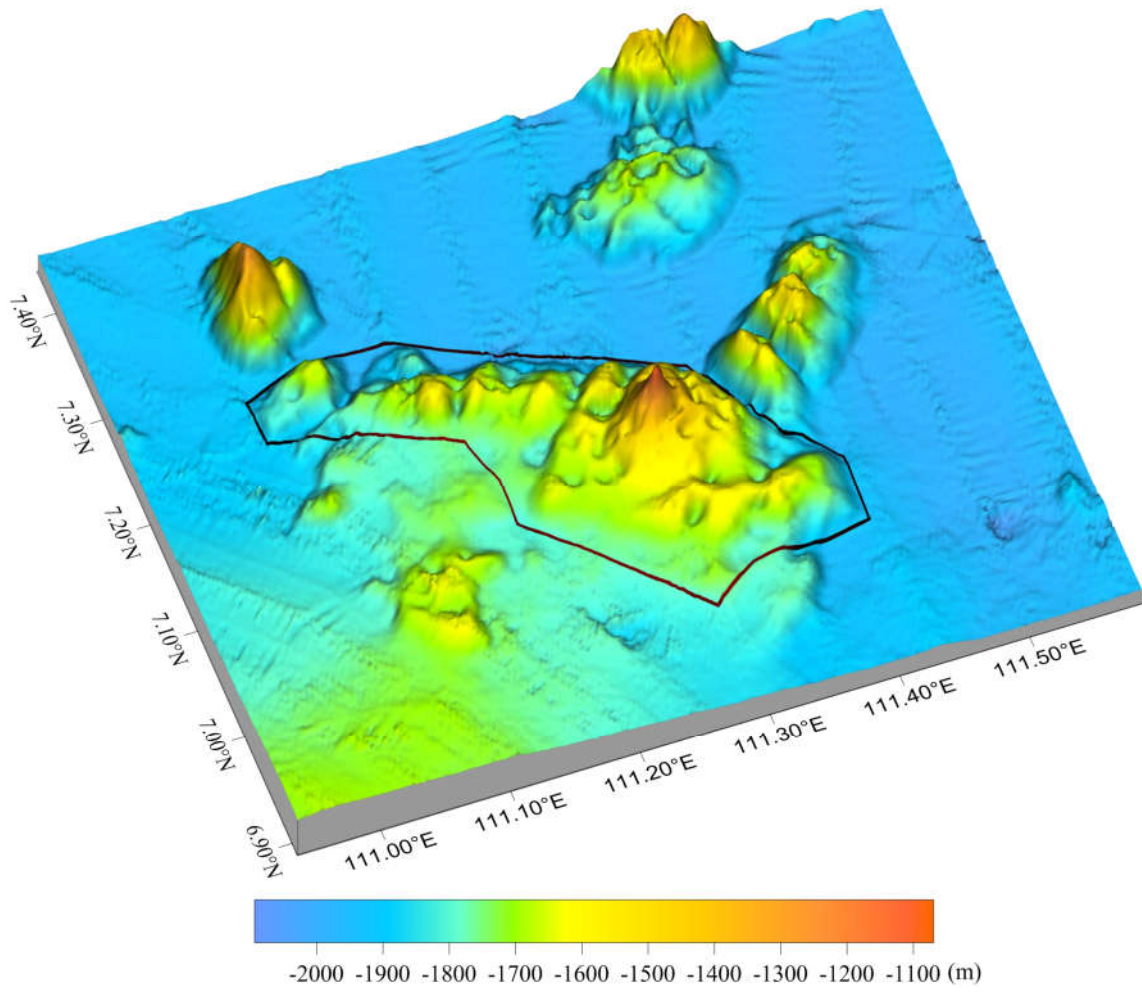


Fig.4 3-D bathymetric map of the Mahuan Hill

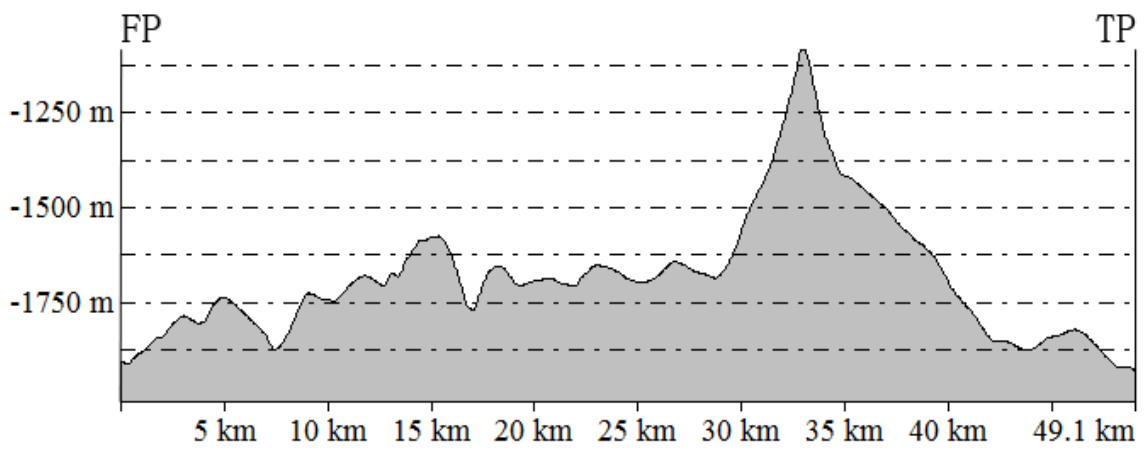
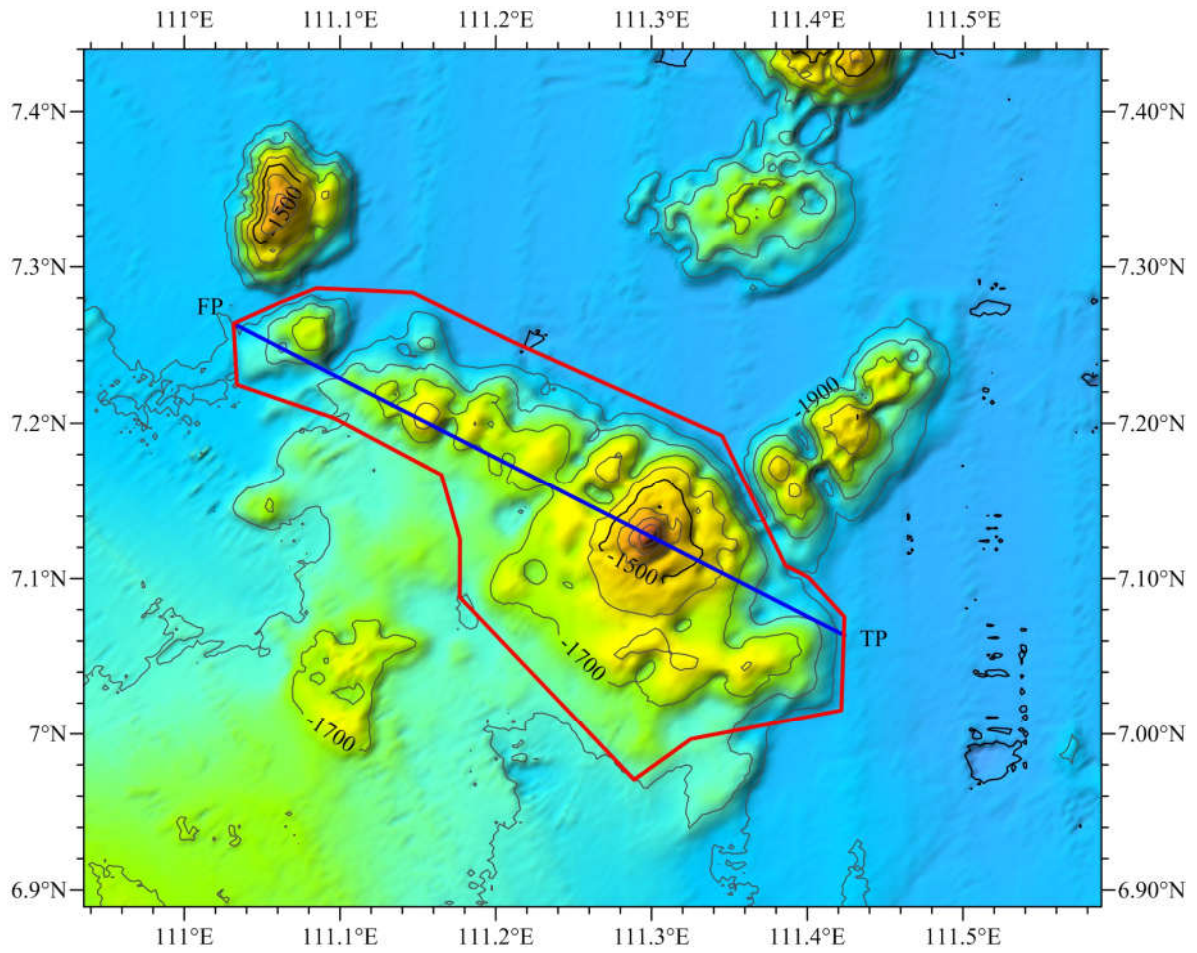


Fig.5 Profile map of the Mahuan Hill