

**UNDERSEA FEATURE NAME PROPOSAL**

(See NOTE overleaf)

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

<b>Name Proposed:</b>	Penxinan Ridge	<b>Ocean or Sea:</b>	the South China Sea
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<b>Geometry that best defines the feature (Yes/No) :</b>						
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>	09° 28.9' N	109° 41.1' E
	10° 08.0' N	109° 48.5' E
	10° 14.6' N	110° 10.9' E
	10° 52.6' N	110° 20.9' E
	11° 15.2' N	110° 40.8' E
	11° 41.0' N	110° 39.4' E
	11° 51.9' N	110° 49.2' E
	12° 00.5' N	110° 25.3' E
	12° 23.7' N	110° 28.5' E
	12° 38.6' N	110° 46.3' E
	12° 39.4' N	111° 02.4' E
	12° 48.6' N	111° 07.7' E
	13° 04.9' N	110° 57.8' E
	13° 20.0' N	111° 24.6' E
	13° 12.7' N	111° 41.3' E
	13° 00.6' N	111° 47.3' E
	12° 51.3' N	112° 04.8' E
	12° 45.2' N	112° 09.0' E
	12° 35.6' N	111° 51.3' E
	12° 11.1' N	111° 37.6' E
	12° 10.6' N	111° 44.9' E
	12° 01.3' N	111° 52.3' E
	11° 51.5' N	111° 47.1' E
	11° 49.6' N	111° 57.2' E
	11° 41.4' N	111° 55.2' E
	11° 30.5' N	111° 35.1' E
	11° 21.1' N	111° 48.7' E
	11° 14.4' N	111° 48.8' E
	11° 05.7' N	111° 28.6' E
	10° 38.0' N	111° 11.8' E
10° 19.3' N	111° 00.1' E	
09° 58.7' N	110° 42.3' E	
09° 44.0' N	110° 38.8' E	
09° 34.2' N	110° 30.3' E	
09° 22.1' N	109° 46.0' E	

	09° 28.9' N	109° 41.1' E
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<b>Feature Description:</b>	Maximum Depth:	4000m	Steepness :	
	Minimum Depth :	500m	Shape :	Irregular
	Total Relief :	3500m	Dimension/Size :	450km×120km

<b>Associated Features:</b>	Penxinan Ridge lies in the western slope of the South China Sea. It comprises of several seamounts, hills and basins. This ridge extends from southwest to northeast.
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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 feature to be named):	Penxinan Ridge is named after its relative position. Penxinan means it is to the southwest of South China Sea Basin.
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<b>Discovery Facts:</b>	Discovery Date:	1998
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	1998-2001
	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:	4nm
	Supporting material can be submitted as Annex in analog or digital form.	

<b>Proposer(s):</b>	Name(s):	Zhu Benduo, Huang Wenxing
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	E-mail:	Zhubenduo@163.com
	Organization and Address:	Guangzhou Marine Geological Survey, China Geological Survey. Guangzhou Marine Geological Survey, China Geological Survey.

<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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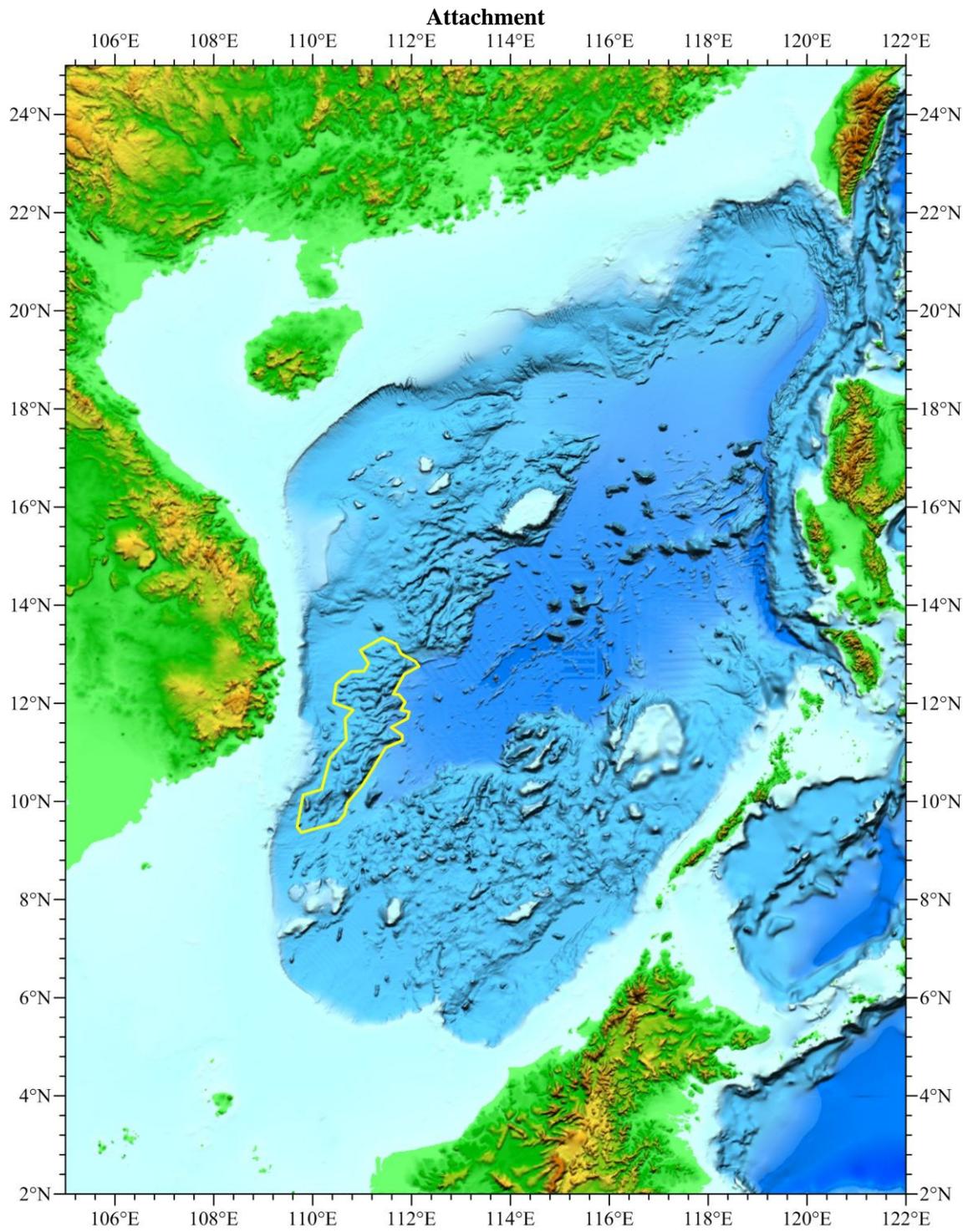


Fig.1 Index map showing the location of Penxinan Ridge

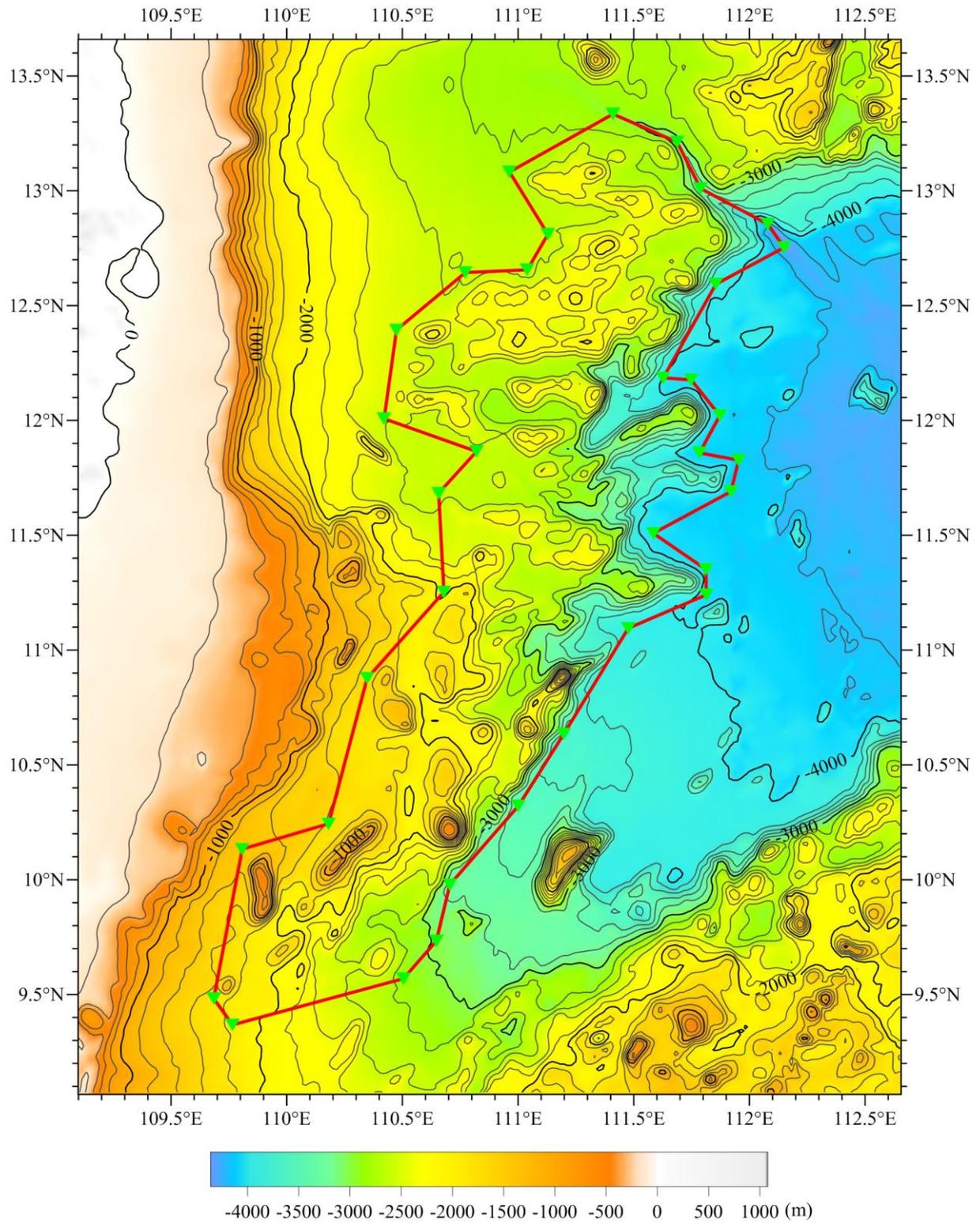


Fig.2 Bathymetric map of Penxinan Ridge (Contours are in 200 m)

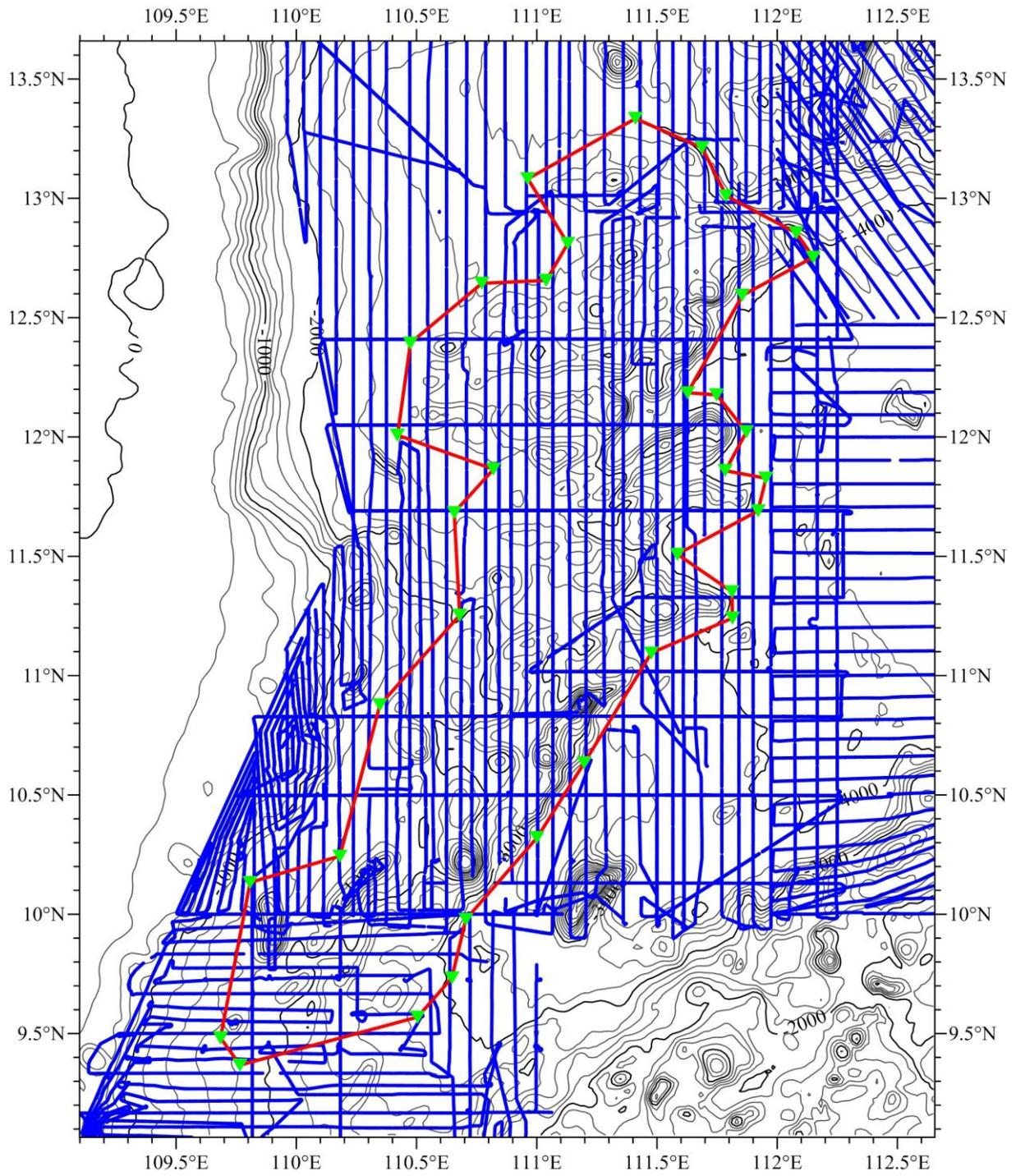


Fig.3 Bathymetric map of Penxinan Ridge overlain with track lines  
(Contours are in 200 m, blue lines for the track lines)

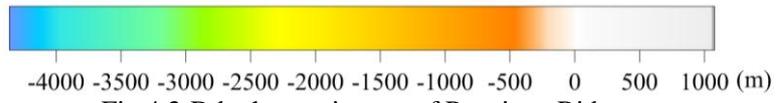
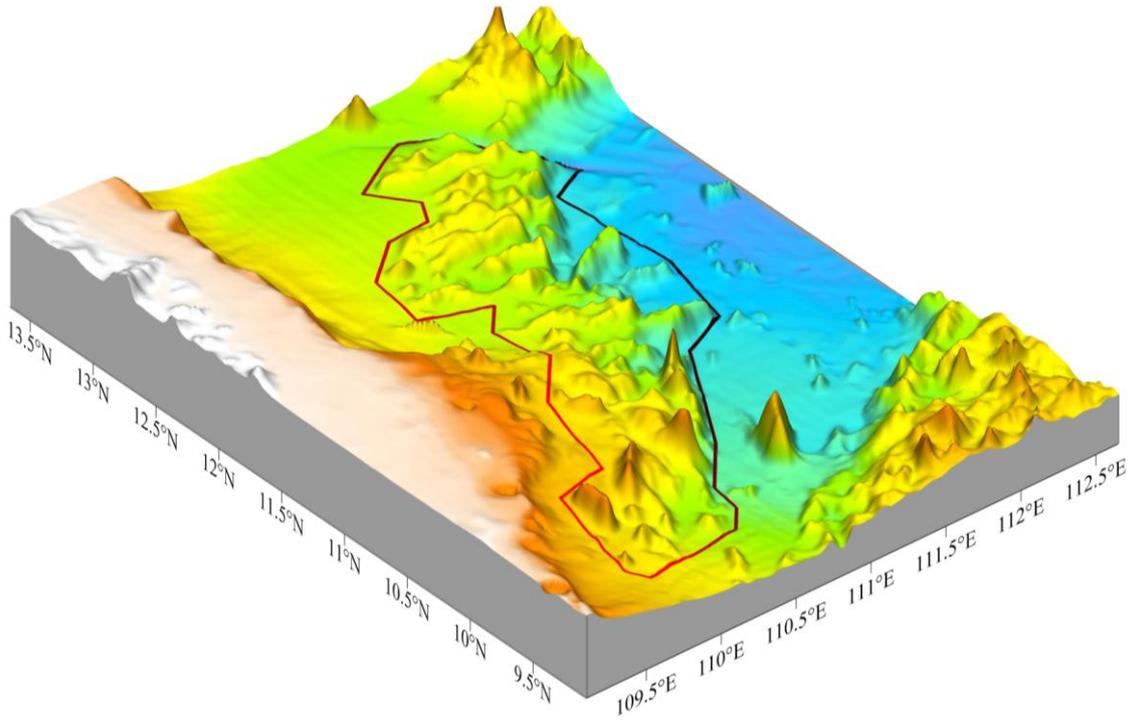


Fig.4 3-D bathymetric map of Penxinan Ridge

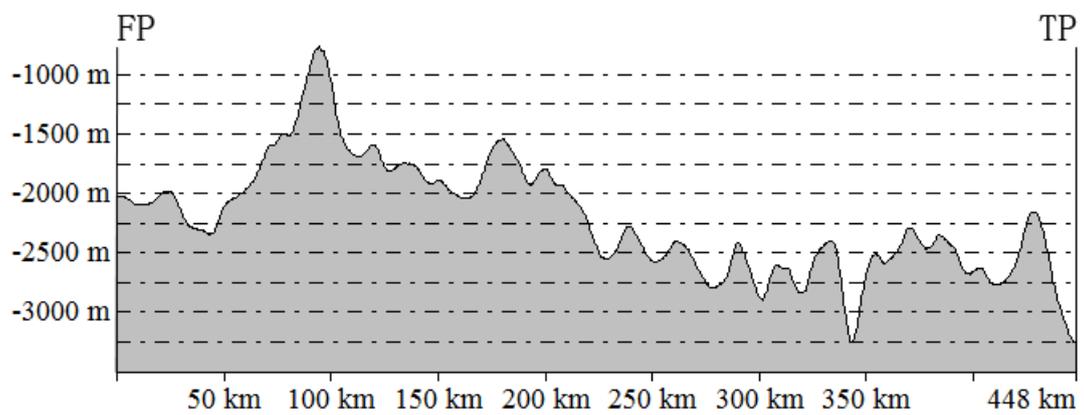
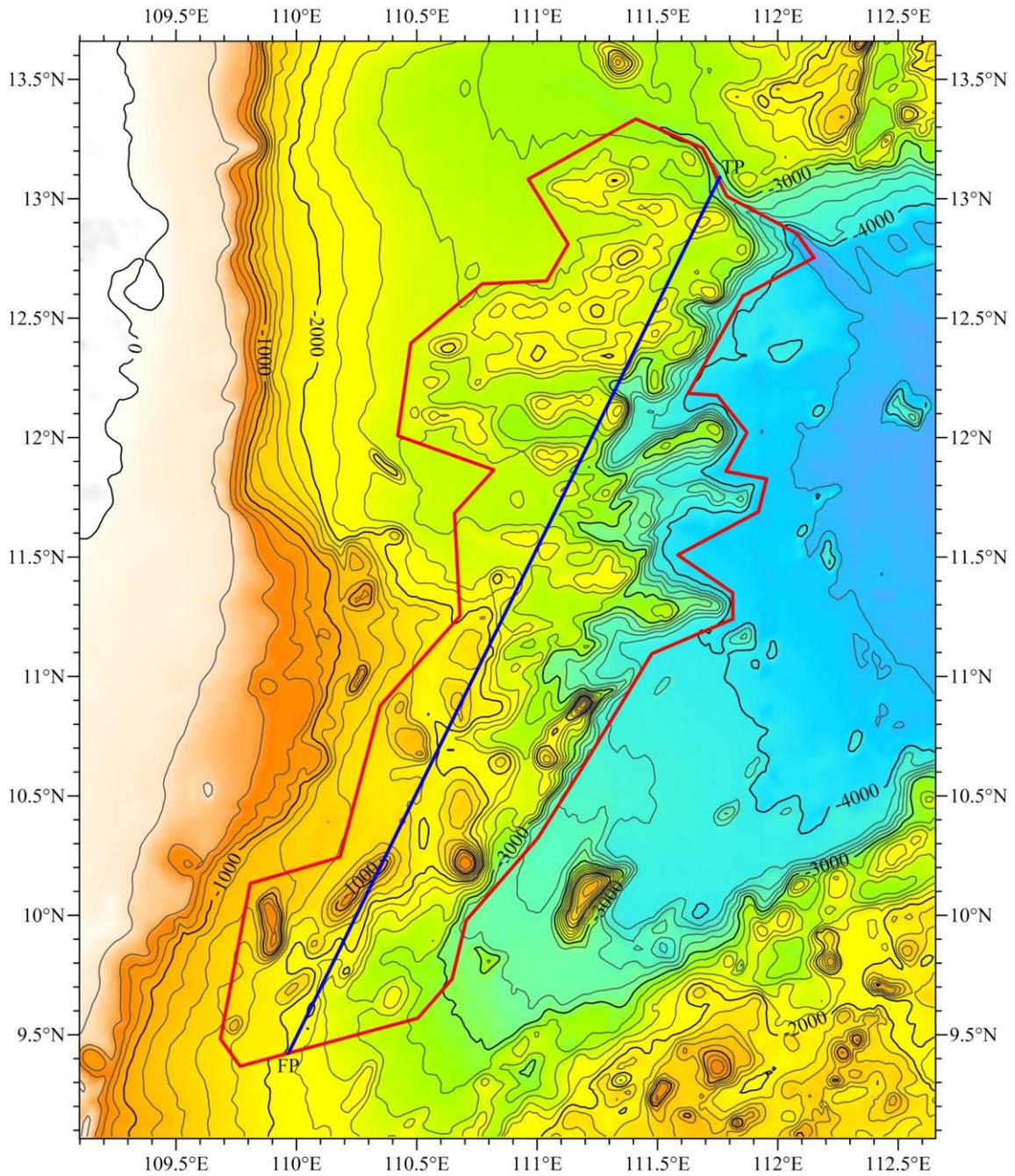


Fig.5 Profile map of Penxinan Ridge