

**UNDERSEA FEATURE NAME PROPOSAL**

(See NOTE overleaf)

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

|                       |               |                      |              |
|-----------------------|---------------|----------------------|--------------|
| <b>Name Proposed:</b> | Longdeng Hill | <b>Ocean or Sea:</b> | Indian Ocean |
|-----------------------|---------------|----------------------|--------------|

|  |      |         |                 |                 |                    |                            |
|--|------|---------|-----------------|-----------------|--------------------|----------------------------|
| <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> | 5°13.8'N(Summit)      | 61°55.6'E(Summit)       |
|                     | 5°15.4'N(Bottom)      | 61°56.2'E(Bottom)       |
|                     | 5°15.6'N              | 61°55.7'E               |
|                     | 5°15.4'N              | 61°55.2'E               |
|                     | 5°15.2'N              | 61°54.6'E               |
|                     | 5°14.8'N              | 61°53.9'E               |
|                     | 5°14.5'N              | 61°53.7'E               |
|                     | 5°13.8'N              | 61°53.5'E               |
|                     | 5°13.4'N              | 61°53.4'E               |
|                     | 5°12.7'N              | 61°53.7'E               |
|                     | 5°12.0'N              | 61°54.0'E               |
|                     | 5°11.5'N              | 61°54.6'E               |
|                     | 5°11.0'N              | 61°55.1'E               |
|                     | 5°10.8'N              | 61°55.6'E               |
|                     | 5°10.8'N              | 61°56.0'E               |
|                     | 5°11.2'N              | 61°56.5'E               |
|                     | 5°11.7'N              | 61°57.0'E               |
|                     | 5°12.1'N              | 61°57.4'E               |
|                     | 5°12.2'N              | 61°57.9'E               |
|                     | 5°12.3'N              | 61°58.3'E               |
| 5°12.5'N            | 61°58.6'E             |                         |
| 5°12.7'N            | 61°58.8'E             |                         |
| 5°13.3'N            | 61°58.5'E             |                         |
| 5°13.7'N            | 61°58.3'E             |                         |
| 5°14.0'N            | 61°58.0'E             |                         |
| 5°14.3'N            | 61°57.7'E             |                         |
| 5°14.8'N            | 61°57.4'E             |                         |
| 5°15.1'N            | 61°56.8'E             |                         |
| 5°15.4'N(Bottom)    | 61°56.2'E(Bottom)     |                         |

|                             |                 |        |                  |                |
|-----------------------------|-----------------|--------|------------------|----------------|
| <b>Feature Description:</b> | Maximum Depth:  | 3451 m | Steepness :      |                |
|                             | Minimum Depth : | 2608 m | Shape :          | Near-circle    |
|                             | Total Relief :  | 843 m  | Dimension/Size : | 8.7 km×10.0 km |

|                             |  |
|-----------------------------|--|
| <b>Associated Features:</b> | Longdeng Hill is volcanogenic and cone-shaped. |
|-----------------------------|--|

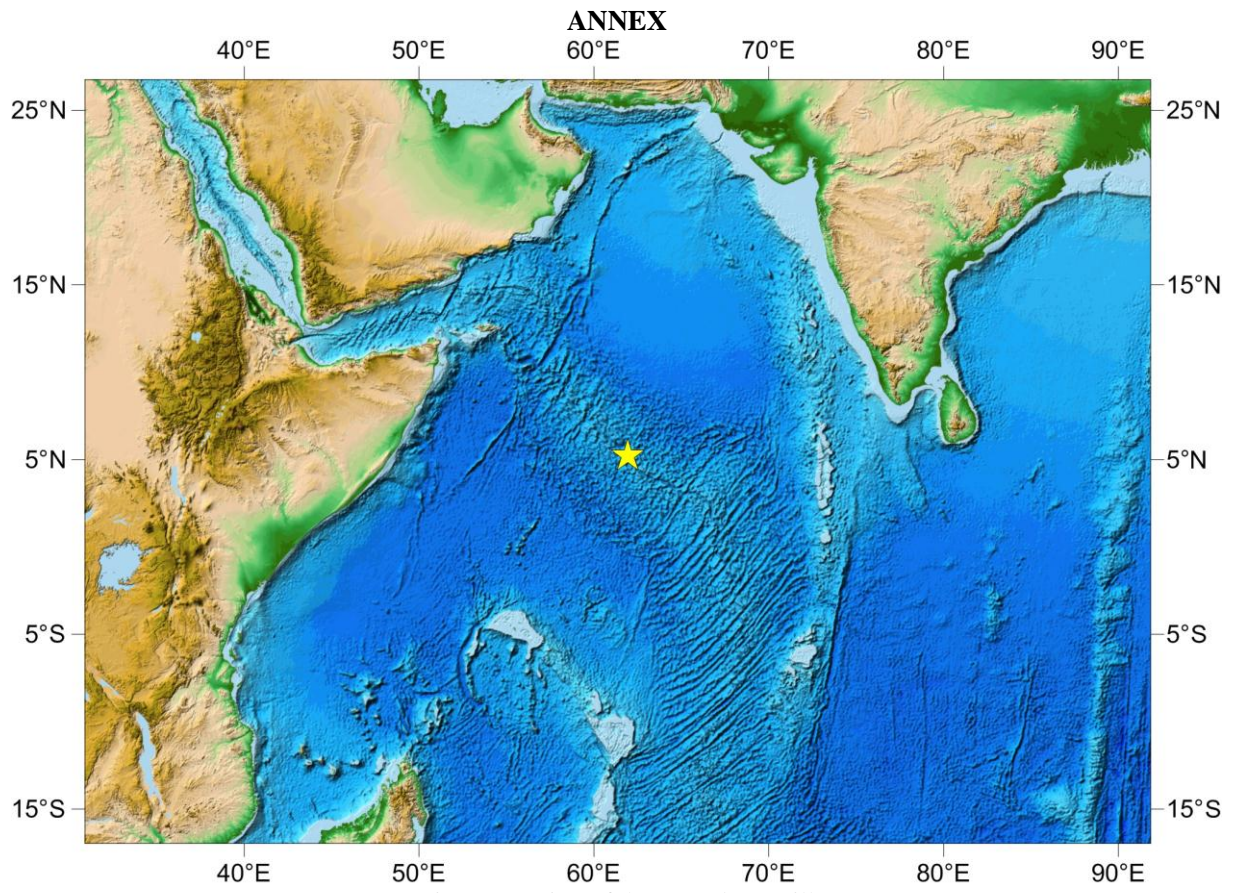
|                              |                             |            |
|------------------------------|-----------------------------|------------|
| <b>Chart/Map References:</b> | Shown Named on Map/Chart:   |            |
|                              | Shown Unnamed on Map/Chart: | GEBCO 5.05 |

|  |   |  |
|--|---|--|
|  | Within Area of Map/Chart:   |  |
| <b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named): | This hill is close to Tianlong Seamounts and looks like a guiding light for Tianlong. Longdeng means a lantern for the dragon.  |  |
| <b>Discovery Facts:</b>  | Discovery Date:   | May. 2012  |
|  | Discoverer (Individual, Ship):  | Chinese R/V HAIYANG No.18  |
| <b>Supporting Survey Data, including Track Controls:</b>   | Date of Survey:   | May. 2012  |
|  | Survey Ship:  | Chinese R/V HAIYANG No.18  |
|  | Sounding Equipment:   | Multi-beam Echo Sounding System (Seabeam 2112)                             |
|  | Type of Navigation:   | GPS  |
|  | Estimated Horizontal Accuracy (nm):   | ≤8nm   |
|  | Survey Track Spacing:   | 5nm  |
|  | Supporting material can be submitted as Annex in analog or digital form. See Annex  |  |
| <b>Proposer(s):</b>  | Name(s):  | China Ocean Mineral Resources Research and Development Association (COMRA) |
|  | Date:   | Apr 08. 2018   |
|  | E-mail:   | comra@comra.org  |
|  | Organization and Address:   | No.1 Fuxingmenwai Street, Xicheng District, Beijing                        |
|  | Concurrer (name, e-mail, organization and address):   |  |
| <b>Remarks:</b>  | This proposal has been reviewed and approved by China Subcommittee on Undersea Feature Names (CCUFN).<br>No.1 Fuxingmenwai Street, Xicheng District, Beijing, China, 100860<br>heyunxu@sina.com |  |

**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)<br>4, Quai Antoine 1er<br>B.P. 445<br>MC 98011 MONACO CEDEX<br>Principality of MONACO<br>Fax: +377 93 10 81 40<br>E-mail: <a href="mailto:info@ihb.mc">info@ihb.mc</a> | Intergovernmental Oceanographic Commission (IOC)<br>UNESCO<br>Place de Fontenoy<br>75700 PARIS<br>France<br>Fax: +33 1 45 68 58 12<br>E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a> |
|--|--|



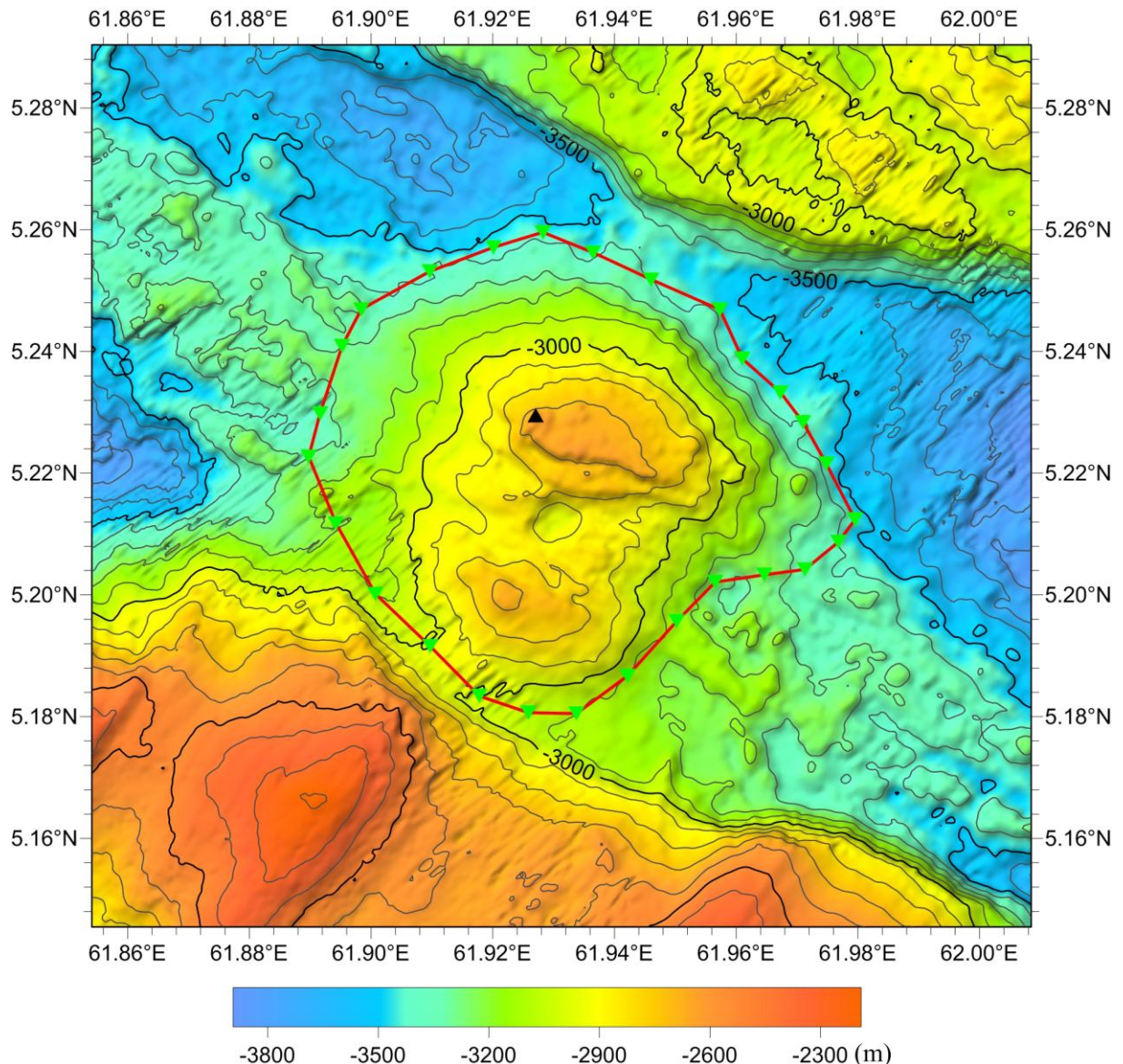


Fig. 2 Bathymetric map of the Longdeng Hill (the contour interval is 100 m)

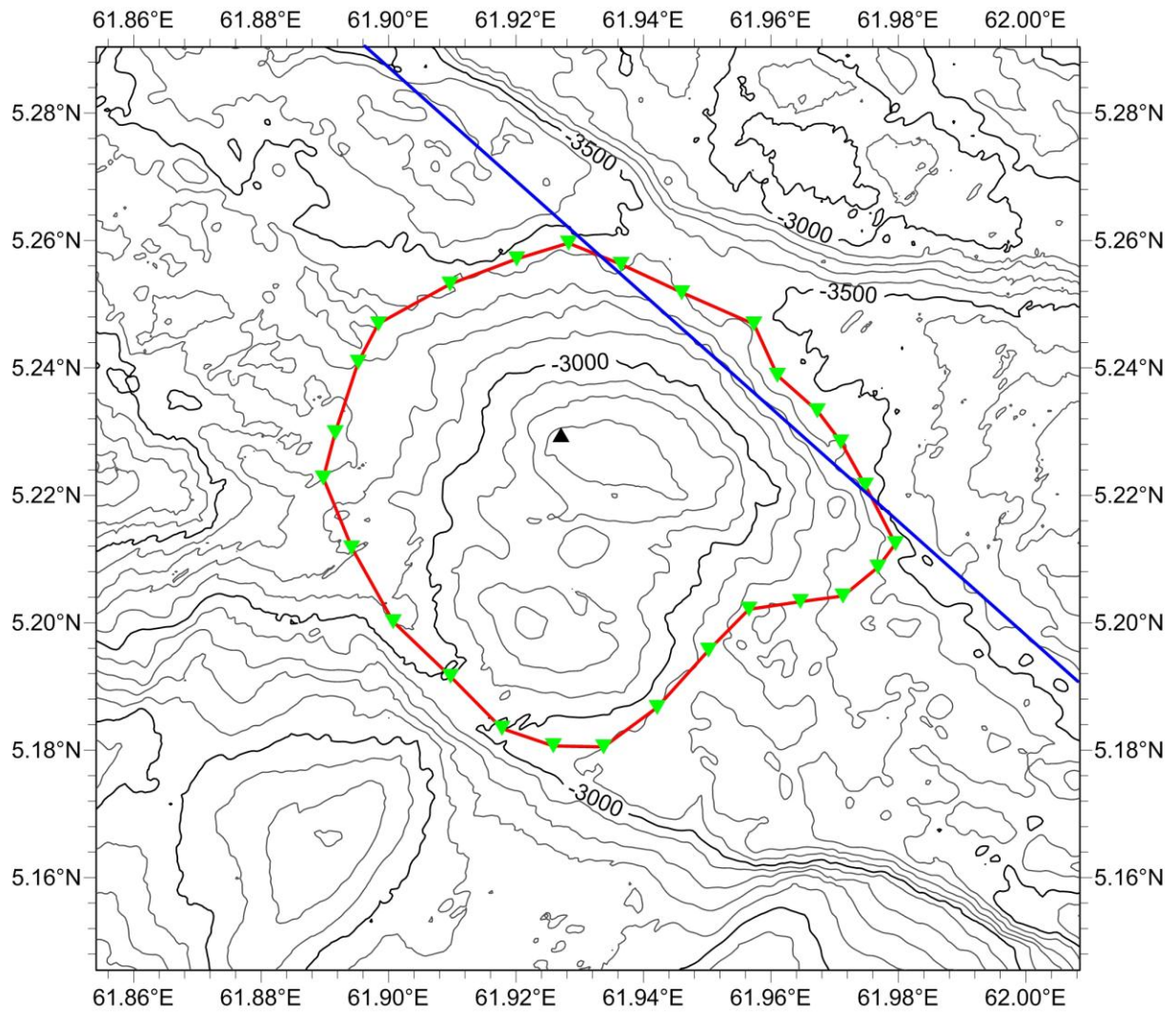


Fig. 3 Bathymetric and survey line map of the Longdeng Hill (the contour interval is 100 m, blue ones are survey lines)

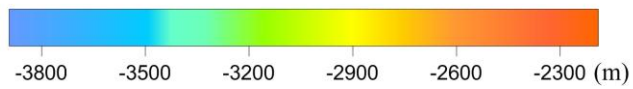
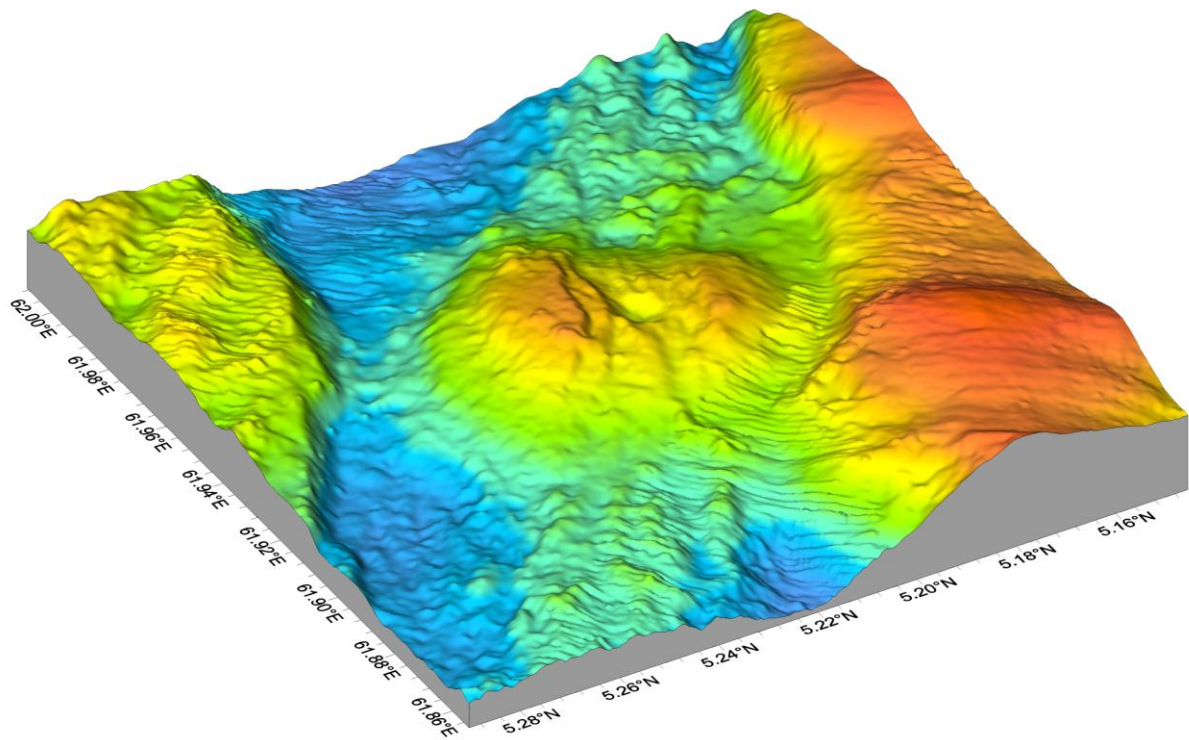


Fig. 4 3-D topography map of the Longdeng Hill

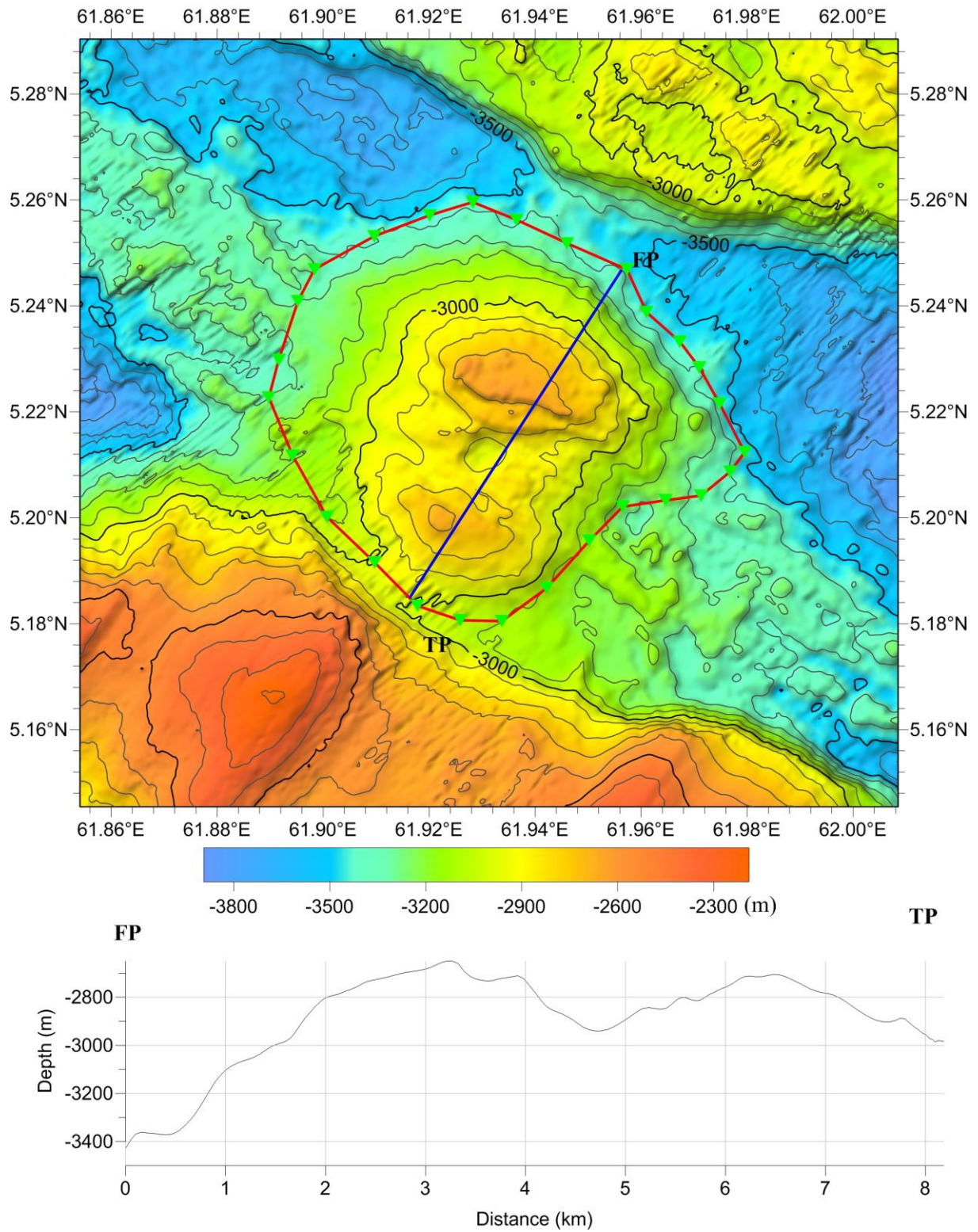


Fig. 5 Profile map of the Longdeng Hill