

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

| | | | |
|-----------------------|--------------|----------------------|--------------------|
| Name Proposed: | Huilan 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: | 11°07.7'N(Top) | 139°18.0'W(Top) |
| | 11°08.6'N(Top) | 139°14.8'W(Top) |
| | 11°07.2'N(Bottom) | 139°19.4'W(Bottom) |
| | 11°07.8'N | 139°18.9'W |
| | 11°08.7'N | 139°18.3'W |
| | 11°09.0'N | 139°17.9'W |
| | 11°09.0'N | 139°17.4'W |
| | 11°09.3'N | 139°17.0'W |
| | 11°09.7'N | 139°16.9'W |
| | 11°10.0'N | 139°16.9'W |
| | 11°10.0'N | 139°16.7'W |
| | 11°10.1'N | 139°16.5'W |
| | 11°09.7'N | 139°15.7'W |
| | 11°09.8'N | 139°15.4'W |
| | 11°09.7'N | 139°14.9'W |
| | 11°09.2'N | 139°14.2'W |
| | 11°08.7'N | 139°14.1'W |
| | 11°08.3'N | 139°14.2'W |
| | 11°07.9'N | 139°14.3'W |
| | 11°07.6'N | 139°14.7'W |
| 11°07.5'N | 139°15.0'W | |
| 11°06.6'N | 139°15.0'W | |
| 11°06.3'N | 139°14.6'W | |
| 11°06.1'N | 139°14.6'W | |
| 11°06.1'N | 139°15.0'W | |
| 11°06.0'N | 139°15.1'W | |

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|--|-------------------|--------------------|
| | 11°05.8'N | 139°15.1'W |
| | 11°05.2'N | 139°15.8'W |
| | 11°05.1'N | 139°16.4'W |
| | 11°05.4'N | 139°16.7'W |
| | 11°06.0'N | 139°17.0'W |
| | 11°05.9'N | 139°17.8'W |
| | 11°05.9'N | 139°18.4'W |
| | 11°06.4'N | 139°19.0'W |
| | 11°06.5'N | 139°19.3'W |
| | 11°06.5'N | 139°19.7'W |
| | 11°06.7'N | 139°19.9'W |
| | 11°06.8'N | 139°19.9'W |
| | 11°07.2'N | 139°19.7'W |
| | 11°07.2'N(Bottom) | 139°19.4'W(Bottom) |

| | | | | |
|-----------------------------|-----------------|-------|------------------|----------|
| Feature Description: | Maximum Depth: | 4742m | Steepness : | |
| | Minimum Depth : | 4116m | Shape : | |
| | Total Relief : | 626m | Dimension/Size : | 11km×8km |

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| Associated Features: | Huilan Hills is located 250 km southeast to the Egiazarov Seamount. It has an irregular quadrilateral overlook plane shape. |
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| Chart/Map References: | Shown Named on Map/Chart: | |
| | Shown Unnamed on Map/Chart: | GEBSCO 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 grey-blue-tailed sea swallow is a typical oceanic seabird under the genus Hymenoptera. It is distributed in the Pacific Ocean. The hills are named after “Huilan”, the name of this kind of seabird in Chinese.</p>  |
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| Discovery Facts: | Discovery Date: | 2017.9-2017.11 |
| | Discoverer (Individual, Ship): | Chinese R/V <i>Xiang Yang Hong No.6</i> |

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| Supporting Survey Data, including Track Controls: | Date of Survey: | 2017.9-2017.11 |
| | Survey Ship: | Chinese R/V <i>Xiang Yang Hong No.6</i> |
| | 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.3Chaoyangmen 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 |
|-----------------|---|

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 :

| | |
|--|---|
| <p>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</p> | <p>Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org</p> |
|--|---|

ANNEX

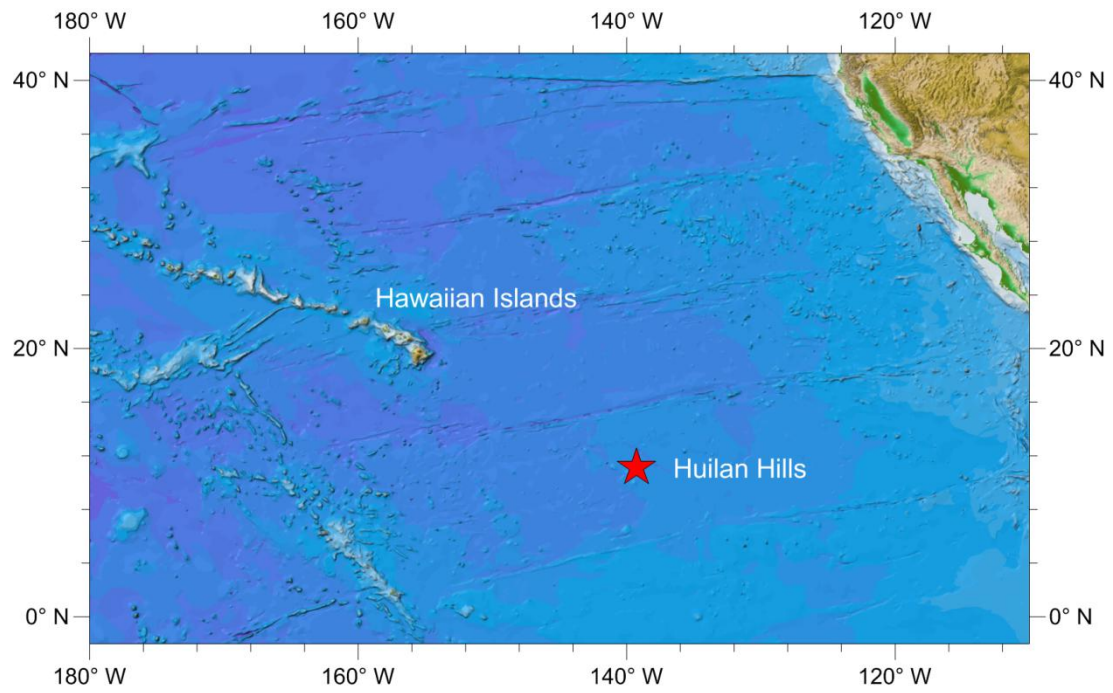


Fig.1 Location of theHuilan Hills

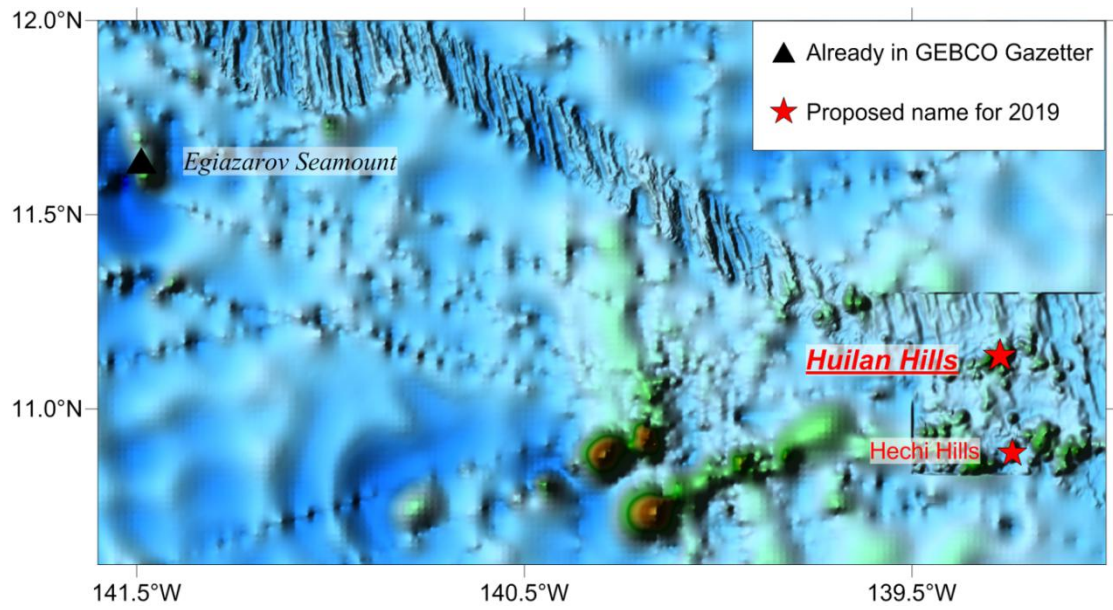


Fig.2 Regional bathymetry map with nearby features of Huilan Hills

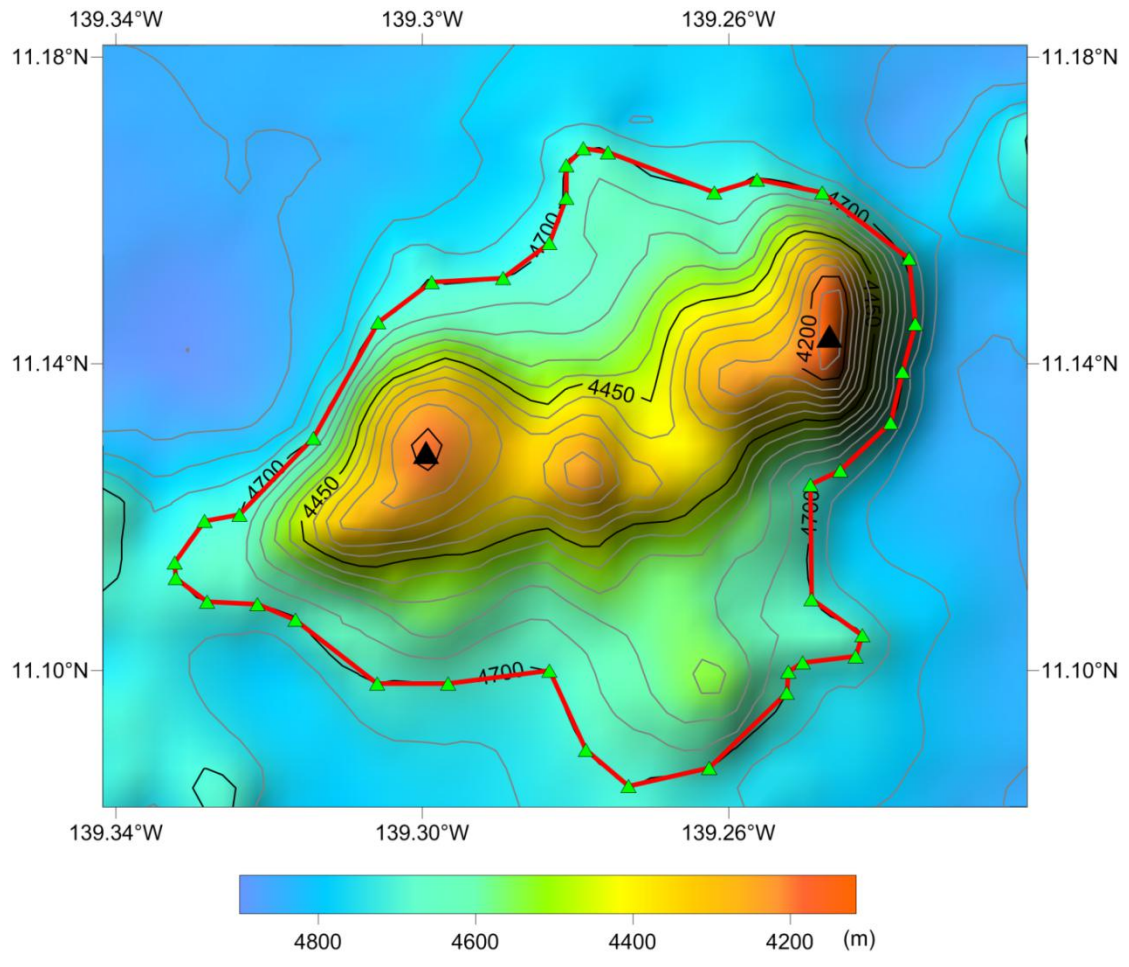


Fig.3 Bathymetric map of the Huilan Hills(the contour interval is 50 m)

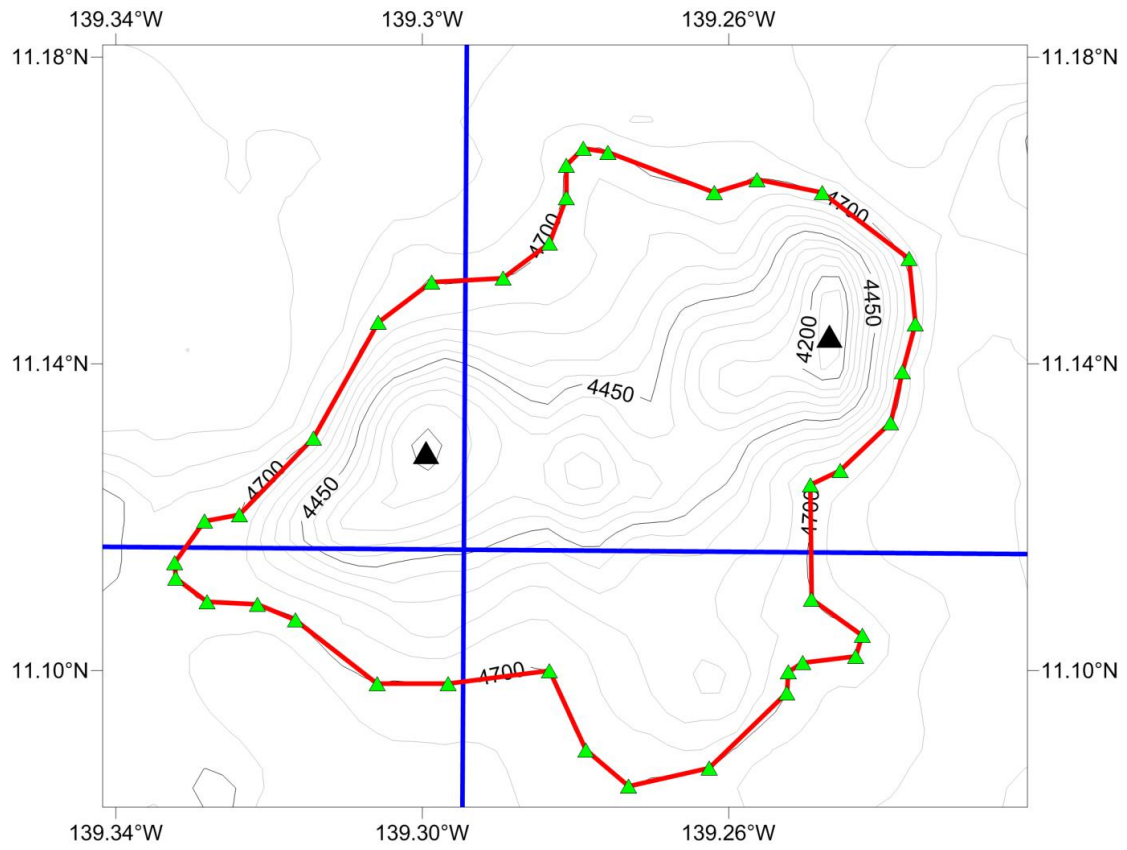


Fig.4 Bathymetric and survey line map of the Huilan Hills(the contour interval is 50 m, blue ones are survey lines)

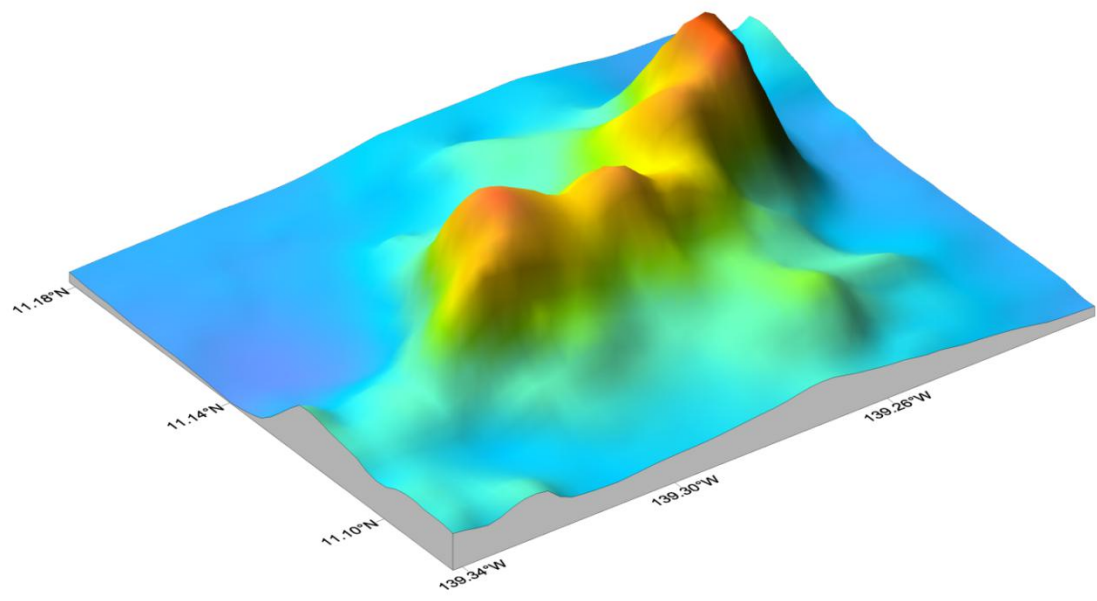


Fig.5 3-D topography map of the Huilan Hills

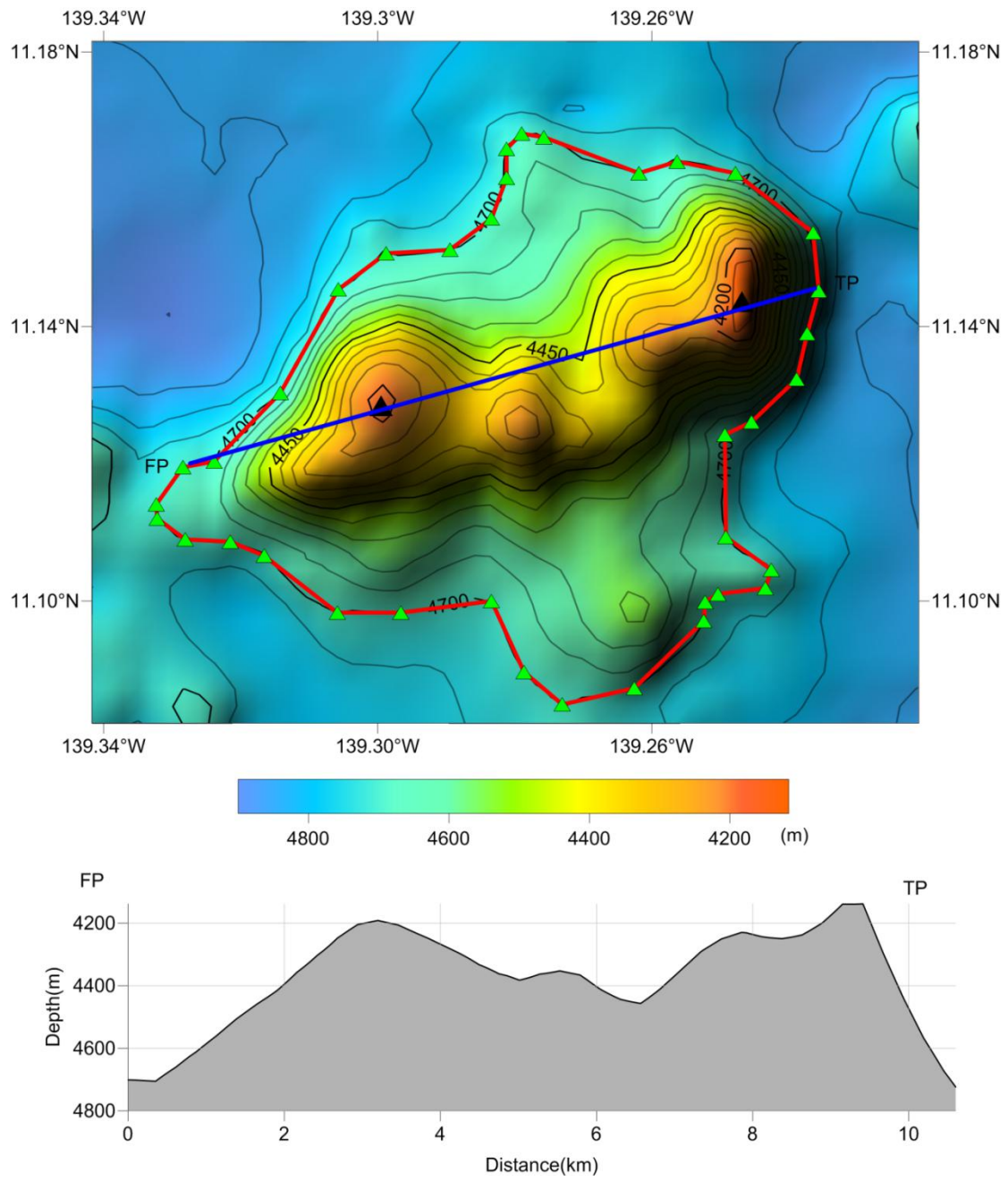


Fig.6 Profile map of theHuilan Hills