|  |  |
| --- | --- |
| **INTERNATIONAL HYDROGRAPHIC**  **ORGANIZATION** | **INTERGOVERNMENTAL OCEANOGRAPHIC**  **COMMISSION (of UNESCO)** |

**UNDERSEA FEATURE NAME PROPOSAL**

(See **NOTE** overleaf)

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Name Proposed:** | Charmuderenges Ridge | **Ocean or Sea:** | Philippine Sea |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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. (degrees, north) | Long. (degrees, east) |
| **Coordinates:** | 13° 44' 09.243" N  13° 47' 25.898" N  13° 49' 26.089" N  13° 52' 26.704" N  13° 53' 58.989" N  13° 55' 18.091" N  13° 56' 43.784" N  13° 57' 34.980" N  13° 58' 36.064" N  13° 59' 45.278" N  14° 00' 50.098" N  14° 01' 38.218" N | 134° 33' 47.197" E  134° 33' 52.251" E  134° 34' 00.161" E  134° 33' 37.090" E  134° 33' 02.593" E  134° 32' 56.001" E  134° 33' 37.090" E  134° 33' 50.713" E  134° 33' 50.713" E  134° 33' 29.839" E  134° 32' 41.719" E  134° 32' 14.253" E |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Feature Description:** | Maximum Depth : | 5100 m | Steepness : | N/A |
| Minimum Depth : | 3967 m | Shape : | Elongated |
| Total Relief : | 1133 m | Dimension/Size : | 32 km in length |

|  |  |
| --- | --- |
| **Associated Features:** | This feature is within the Kobayashi Basin and Ridge Province |

|  |  |  |
| --- | --- | --- |
| **Chart/Map References:** | Shown Named on Map/Chart: | None |
| Shown Unnamed on Map/Chart: | None |
| Within Area of Map/Chart: | None |

|  |  |
| --- | --- |
| **Reason for Choice of Name** (if a person, state how associated with the feature to be named)**:** | Charmuderenges is the Palauan name for the Palau Ground Dove, which is a bird endemic to the forests of Palau. |

|  |  |  |
| --- | --- | --- |
| **Discovery Facts:** | Discovery Date: | Dec. 2006 |
| Discoverer (Individual, Ship): | S/V Shoyo (HODJ) |

|  |  |  |
| --- | --- | --- |
| **Supporting Survey Data, including Track Controls:** | Date of Survey: | Dec. 2006, June 2007 |
| Survey Ship: | S/V Shoyo (HODJ)) |
| Sounding Equipment: | Multibeam echo sounder  Seabeam 2112 |
| Type of Navigation: | GPS without Selective Availability |
| Estimated Horizontal Accuracy (nm): | 0.014 nm (26 m) |
| Survey Track Spacing: | 6 nm |
| Supporting material can be submitted as Annex in analog or digital form. | |

|  |  |  |
| --- | --- | --- |
| **Proposer(s):** | Name(s): | David K. Idip, Jr. and Takamatsu Emesiochel |
| Date: | August 17, 2018 |
| E-mail: | davididip@gmail.com |
| Organization and Address: | Territory and Boundary Task Force, Office of the President, Republic of Palau |
| Concurrer (name, e-mail, organization and address): |  |

|  |  |
| --- | --- |
| **Remarks:** | We used GMT and GeoMapApp software to visualize the bathymetric data. QGIS and ArcMap were the preferred GIS software. |

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

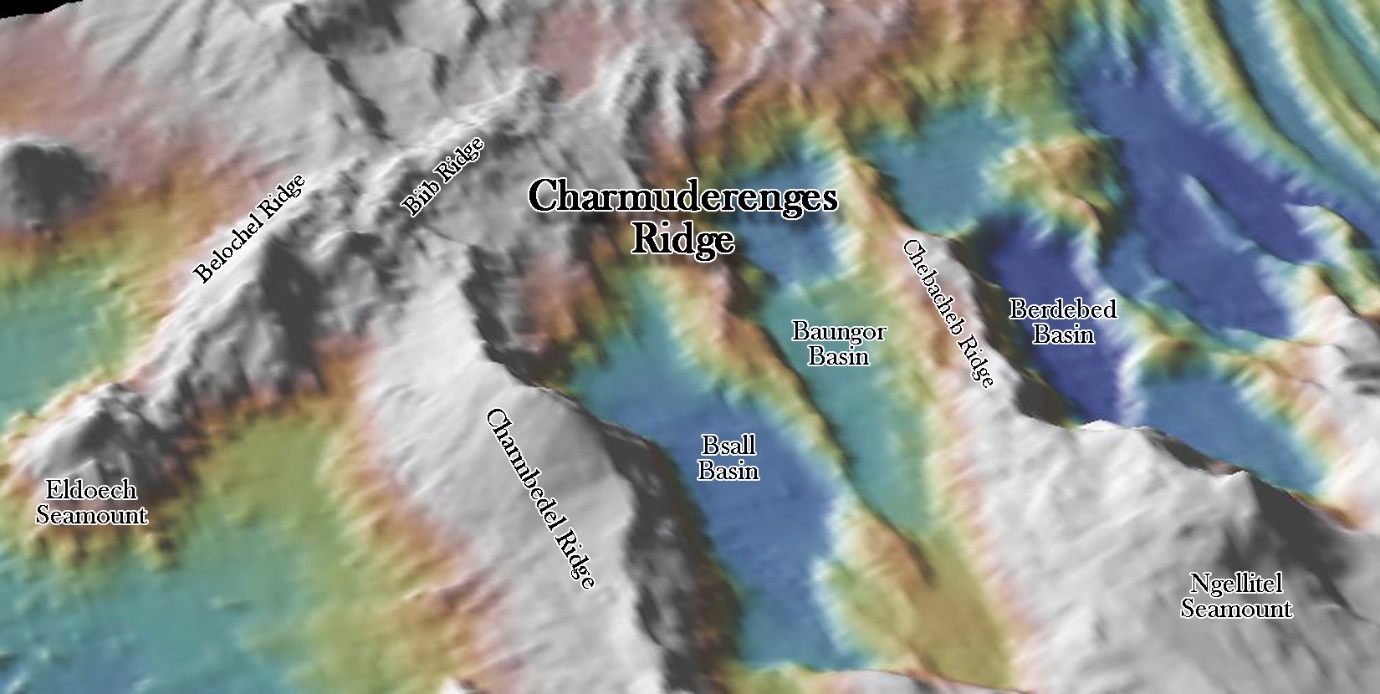


Fig. 1. Bathymetric 3D image of Charmuderenges Ridge and its vicinity.

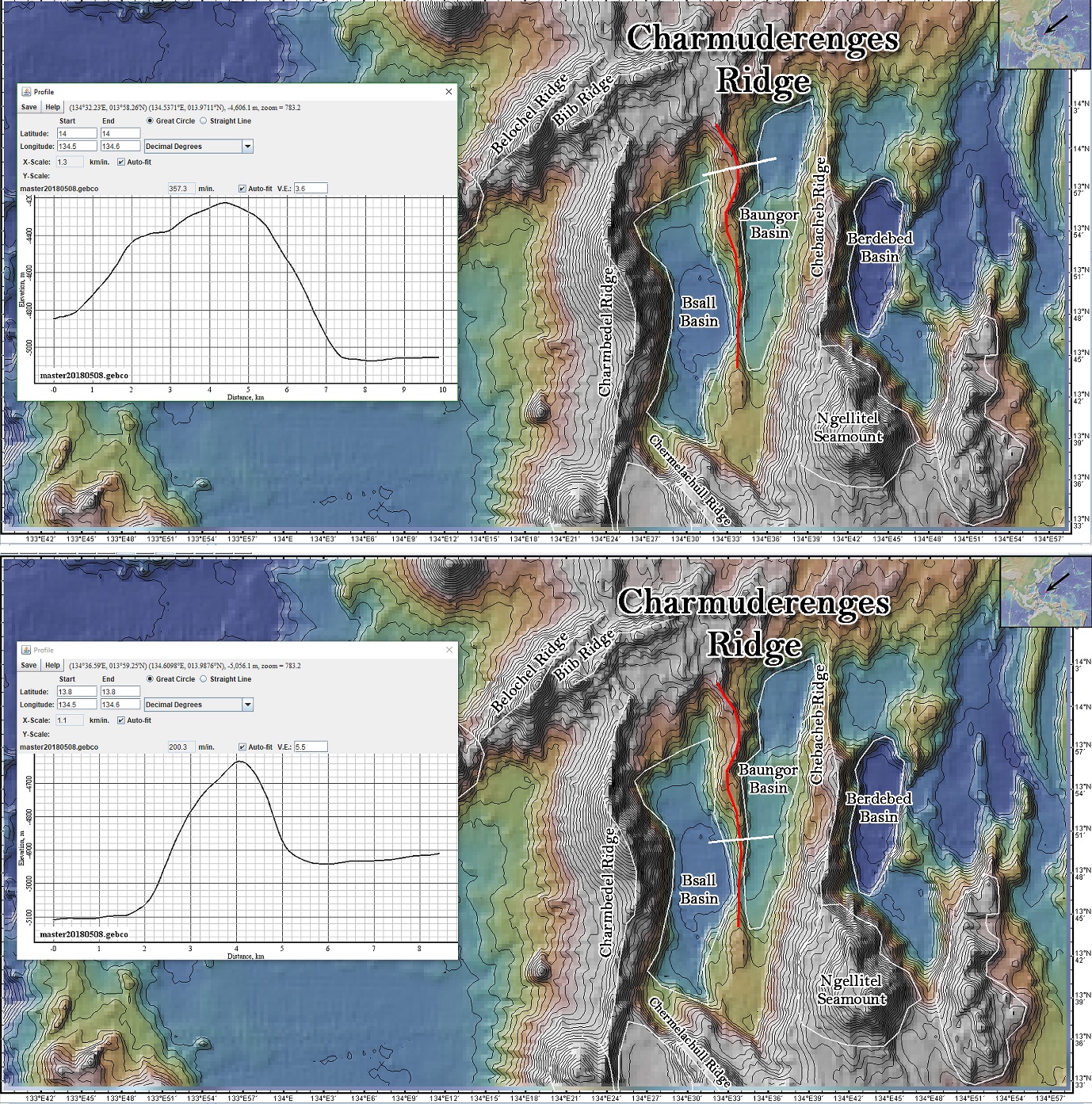


Fig. 2. Bathymetric profile across Charmuderenges Ridge. The polyline that defines the ridge is also shown. Contours in 100 m intervals.



Fig. 3. Picture of a Palau Ground Dove (Charmuderenges)