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| **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.

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| **Name Proposed:** | Merebas Basin | **Ocean or Sea:** | Philippine 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.*

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|  | Lat. (degrees, north) | Long. (degrees, east) |
| **Coordinates:** | 12° 38' 57.080" N  12° 39' 17.639" N  12° 38' 57.080" N  12° 37' 17.714" N  12° 36' 16.038" N  12° 34' 57.230" N  12° 33' 55.555" N  12° 32' 47.026" N  12° 31' 48.777" N  12° 30' 29.969" N  12° 30' 23.116" N  12° 30' 50.528" N  12° 30' 53.954" N  12° 31' 48.777" N  12° 32' 50.453" N  12° 35' 24.642" N | 134° 42' 27.967" E  134° 42' 58.805" E  134° 43' 15.937" E  134° 44' 55.303" E  134° 45' 12.435" E  134° 45' 12.435" E  134° 45' 56.979" E  134° 46' 51.801" E  134° 46' 31.243" E  134° 45' 53.552" E  134° 45' 02.156" E  134° 43' 46.775" E  134° 42' 38.246" E  134° 41' 46.850" E  134° 41' 22.865" E  134° 40' 48.601" E |

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| **Feature Description:** | Maximum Depth : | 4223 m | Steepness : | N/A |
| Minimum Depth : | 3600 m | Shape : | Oval Shape |
| Total Relief : | 623 m | Dimension/Size : | 17 km x 9 km |

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

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

Merebas Basin

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| **Reason for Choice of Name** (if a person, state how associated with the feature to be named)**:** | Merebas is the Palauan name for the Orange Epaulette Surgeon Fish, which is found on reefs throughout Palau. |

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| **Discovery Facts:** | Discovery Date: | Jun. 2007 |
| Discoverer (Individual, Ship): | S/V Shoyo (HODJ) |

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| **Supporting Survey Data, including Track Controls:** | Date of Survey: | Jun. 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. | |

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| **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): |  |

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| **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) |

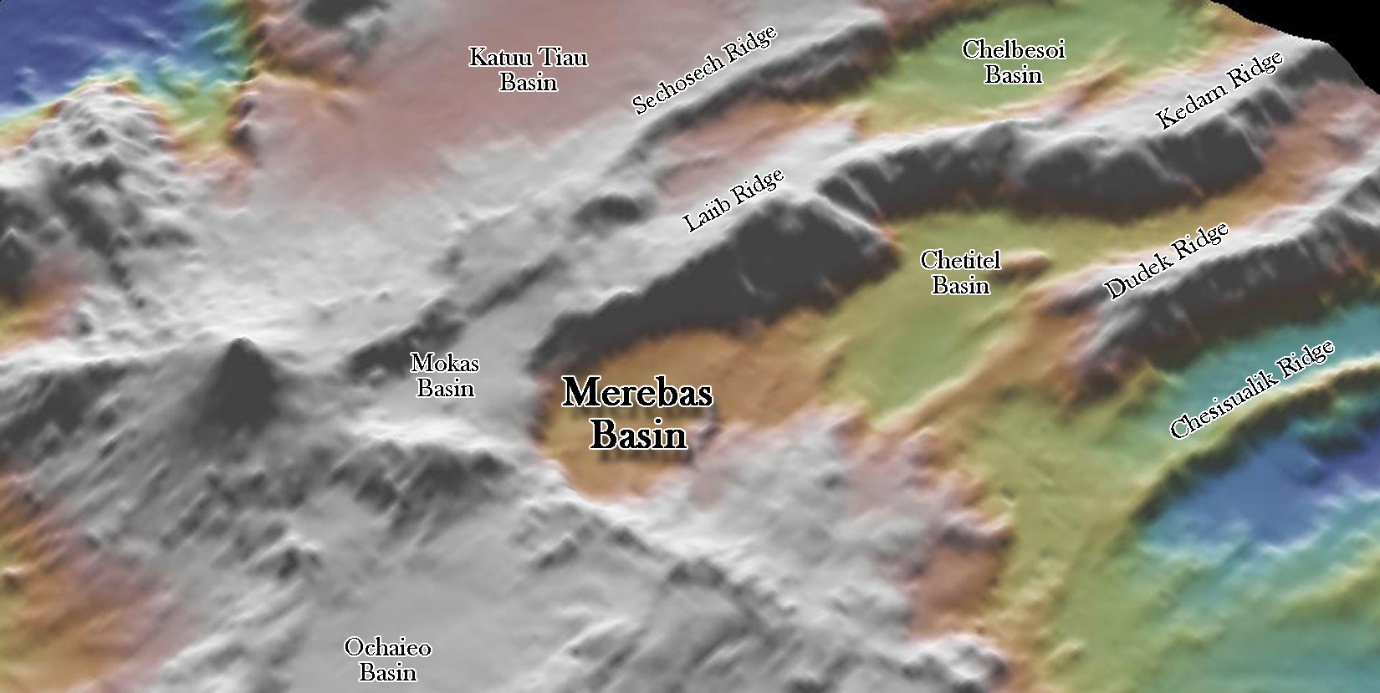


Fig. 1. Bathymetric 3D image of Merebas Basin and its vicinity.

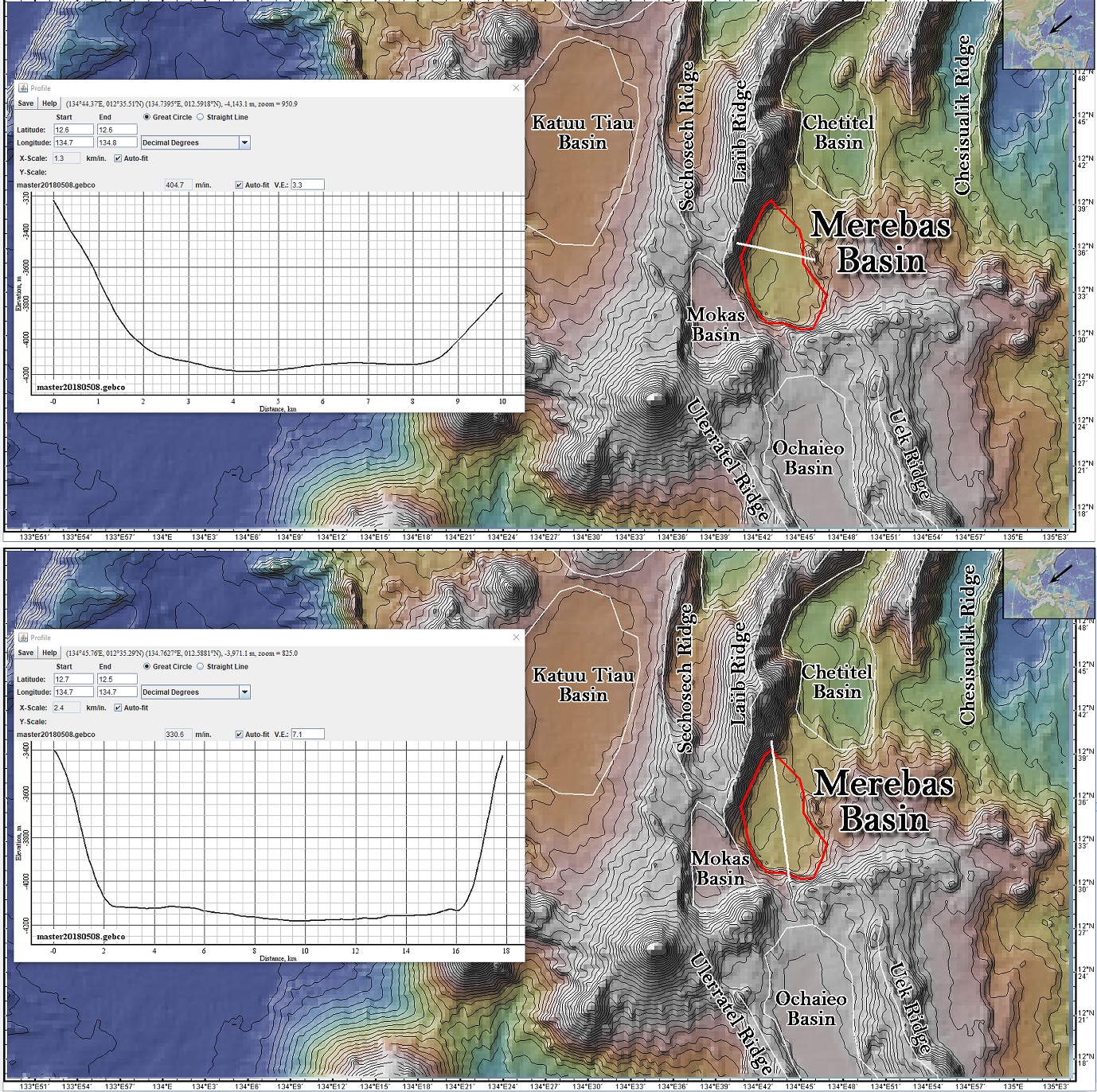


Fig. 2. Bathymetric profile across Merebas Basin. The polygon that defines the basin is also shown. Contours in 100 m intervals.



Fig. 3. Picture of a Orange Epaulette Surgeonfish (Merebas)