

INTERNATIONAL HYDROGRAPHIC ORGANIZATION	INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)
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UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Deroech Ridge	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.

	Lat. (degrees, north)	Long. (degrees, east)
Coordinates:	11° 20' 55.957" N	135° 21' 20.566" E
	11° 18' 11.821" N	135° 21' 23.423" E
	11° 17' 08.540" N	135° 21' 37.046" E
	11° 15' 55.811" N	135° 21' 42.100" E
	11° 14' 13.638" N	135° 21' 46.494" E
	11° 13' 39.800" N	135° 21' 52.207" E
	11° 10' 18.750" N	135° 21' 50.669" E
	11° 08' 04.277" N	135° 20' 44.531" E
	11° 06' 42.100" N	135° 19' 50.479" E
	11° 04' 55.532" N	135° 19' 09.390" E
	11° 04' 11.587" N	135° 18' 41.484" E
	11° 03' 39.287" N	135° 18' 37.749" E
	11° 03' 08.965" N	135° 18' 37.749" E
	11° 02' 19.966" N	135° 18' 34.893" E
	11° 01' 48.984" N	135° 18' 33.574" E
	11° 00' 47.900" N	135° 18' 37.749" E
	11° 00' 17.578" N	135° 18' 39.946" E
10° 59' 58.901" N	135° 18' 43.462" E	
10° 59' 01.333" N	135° 18' 53.569" E	

Feature Description:	Maximum Depth :	4300 m	Steepness :	N/A
	Minimum Depth :	3210 m	Shape :	Elongated
	Total Relief :	1090 m	Dimension/Size :	40 km in length

Associated Features:	This feature is adjacent to 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

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Deroech is the Palauan name for the Little Pied Cormorant, which is a bird endemic to the forests of Palau.
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Discovery Facts:	Discovery Date:	Dec 2001
	Discoverer (Individual, Ship):	R/V Mirai (JAMSTEC)

Supporting Survey Data, including Track Controls:	Date of Survey:	Dec 2001
	Survey Ship:	R/V Mirai (JAMSTEC)
	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:	June 05, 2019
	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.
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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 <u>Principality of MONACO</u> Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS <u>France</u> Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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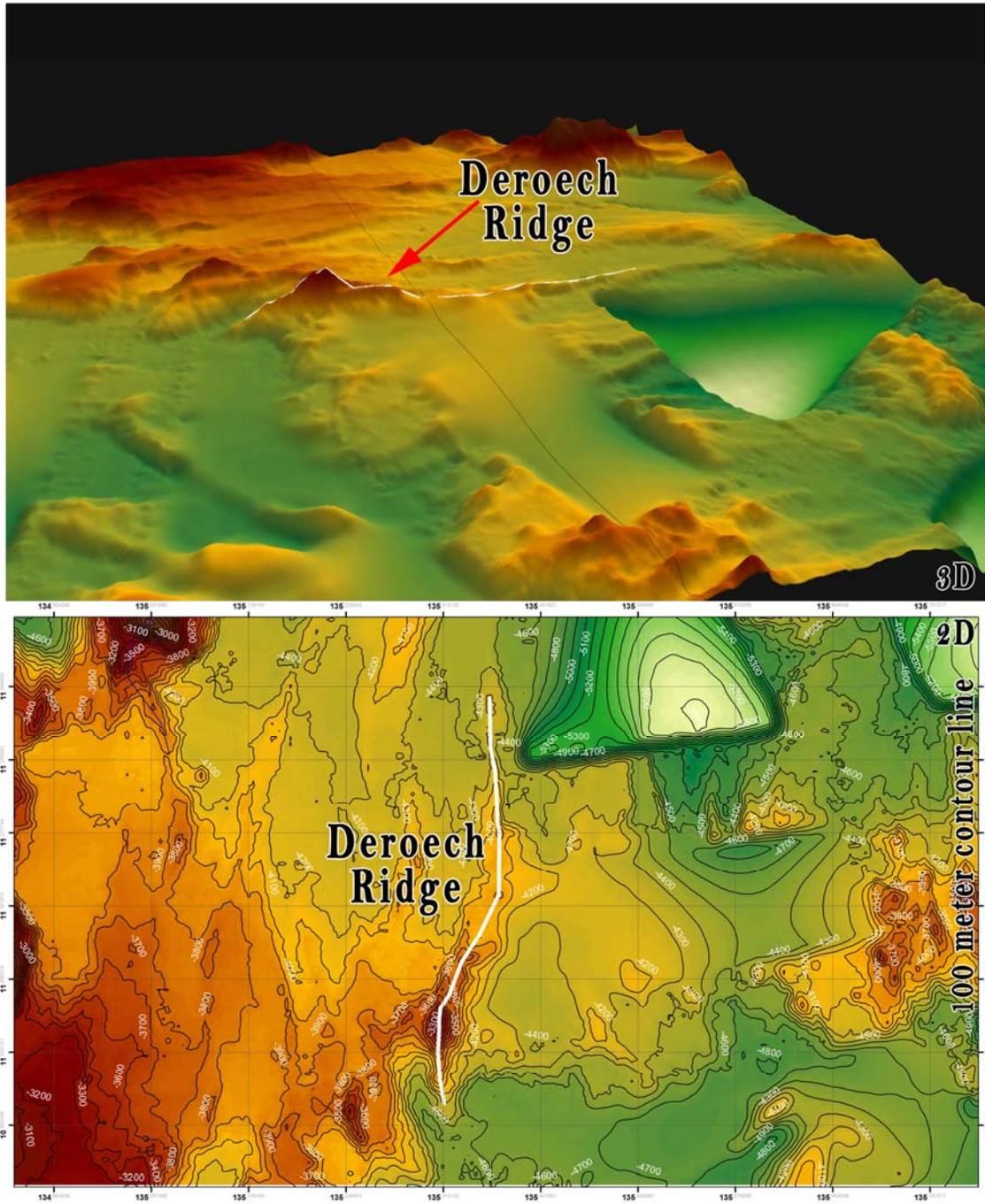


Fig. 1. Bathymetric 3D image of Deroech Ridge and its vicinity.

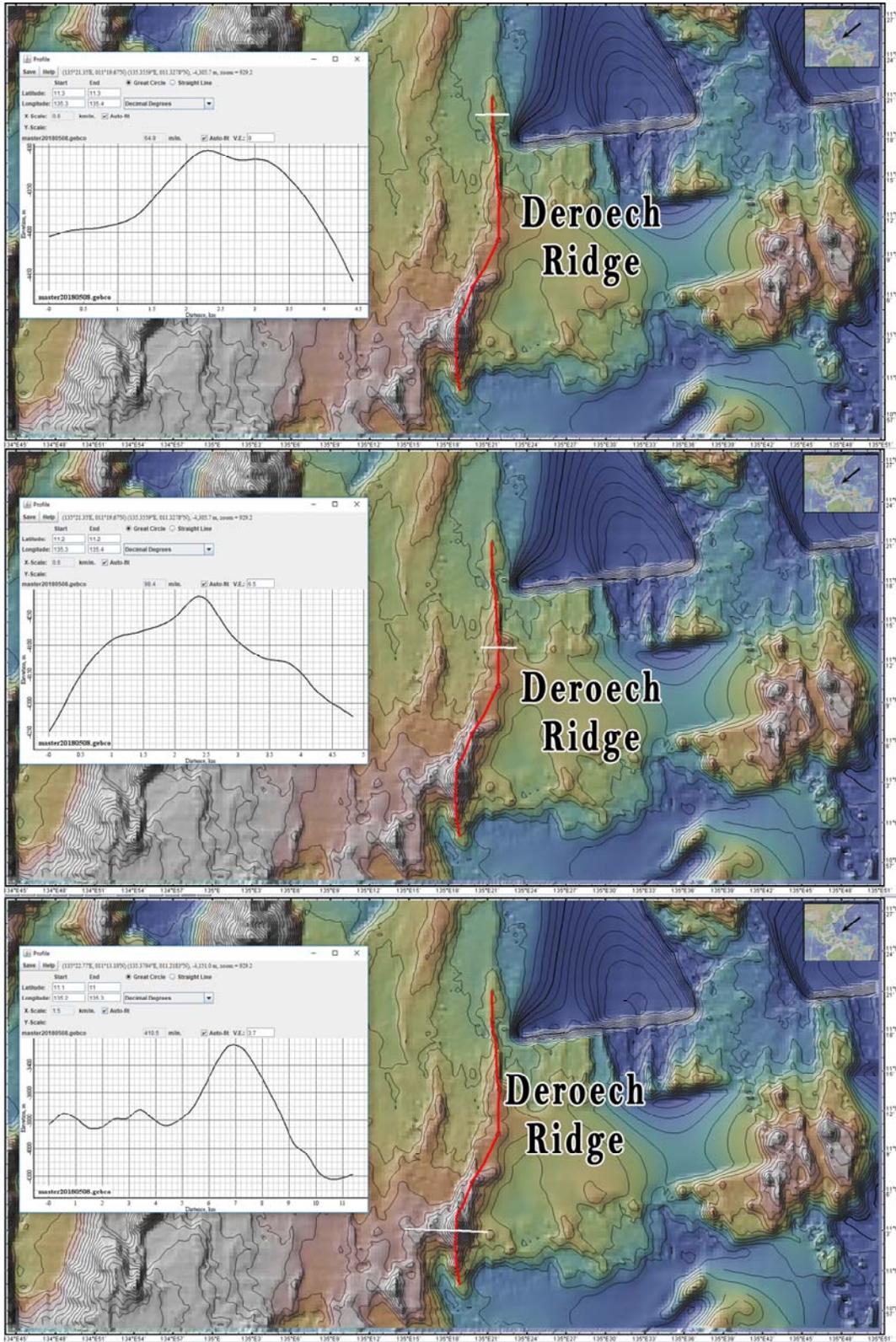


Fig. 2. Bathymetric profile across Deroech Ridge. The polyline that defines the ridge is also shown. Contours in 100 m intervals.



Fig. 3. Palau Little Pied Cormorant (Deroech)