

UNDERSEA FEATURE NAME PROPOSAL
(See IHO-IOC Publication B-6 and **NOTE** overleaf)

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

Name Proposed:	Mangkono Seamount	Ocean or Sea:	Philippine Rise
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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		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:	16° 56.48'N (summit)	127° 19.75'E (summit)
	16° 59.14'N (bottom)	127° 17.54'E (bottom)
	17° 0.14'N	127° 18.77'E
	17° 0.71'N	127° 20.77'E
	17° 1.47'N	127° 21.54'E
	17° 1.77'N	127° 23.59'E
	17° 0.75'N	127° 25.34'E
	16° 59.88'N	127° 25.58'E
	16° 59.49'N	127° 23.95'E
	16° 58.07'N	127° 22.81'E
	16° 55.52'N	127° 22.05'E
	16° 54.76'N	127° 20.09'E
	16° 55.64'N	127° 17.59'E
	16° 57.54'N	127° 16.88'E
	16° 59.14'N (bottom)	127° 17.54'E (bottom)

Feature Description:	Maximum Depth:	5393.2m	Steepness :	7.91°
	Minimum Depth :	4185.2m	Shape :	Talon shape
	Total Relief :	1208.0m	Dimension/Size :	16,250m x10,220m

Associated Features:	Philippine Rise (Benham Rise)
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	Chart 4726A
	Within Area of Map/Chart:	Chart 4726A

Reason for Choice of Name (if a person, state how associated with the feature to be named):	<i>Mangkono</i> is known as the hardest of the Philippine hardwood species. It is endemic to the Philippines. It is found only within the so-called Mangkono triangle areas, consisting of Dinagat Island northeast of Mindanao, Homonhon Island in Samar Province, Babatngon in Leyte Province, and Palawan Province.
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Discovery Facts:	Discovery Date:	August 3 2008
	Discoverer (Individual, Ship):	NAMRIA

Supporting Survey Data, including Track Controls:	Date of Survey:	April 11, 2008; August 3, 2008
	Survey Ship:	BRP HYDROGRAPHER PRESBITERO

Sounding Equipment:	Seabeam 2112
Type of Navigation:	GPS with IMU
Estimated Horizontal Accuracy, in nautical miles (M):	0.027 nm (50m)
Survey Track Spacing:	4,500m
Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Usec. PETER N. TIANGCO, PhD
	Date :	May 2019
	E-mail :	pntiangco@namria.gov.ph
	Organization and Address:	National Mapping and Resource Information Authority (NAMRIA) Lawton Avenue, Fort Andres Bonifacio, Taguig City, Philippines 1634
	Concurrer (name, e-mail, organization and address):	Department of Foreign Affairs (DFA), Roxas Boulevard, Pasay City, Philippines 1300 moao.div2@dfa.gov.ph Department of National Defense (DND), Camp Emilio Aguinaldo, Quezon City, Philippines 1110

Remarks:	The proposal was prepared by the Technical Working Group on Undersea Feature Names of the Hydrography Branch of NAMRIA, in cooperation with the National Institute of Geological Sciences – University of the Philippines and Mines and Geosciences Bureau.
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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 Publication B-6) or, if this does not exist or is not known, either to the IHO 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 IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4b, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@iho.int Web: www.iho.int	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org Web: http://ioc-unesco.org/
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ATTACHMENTS

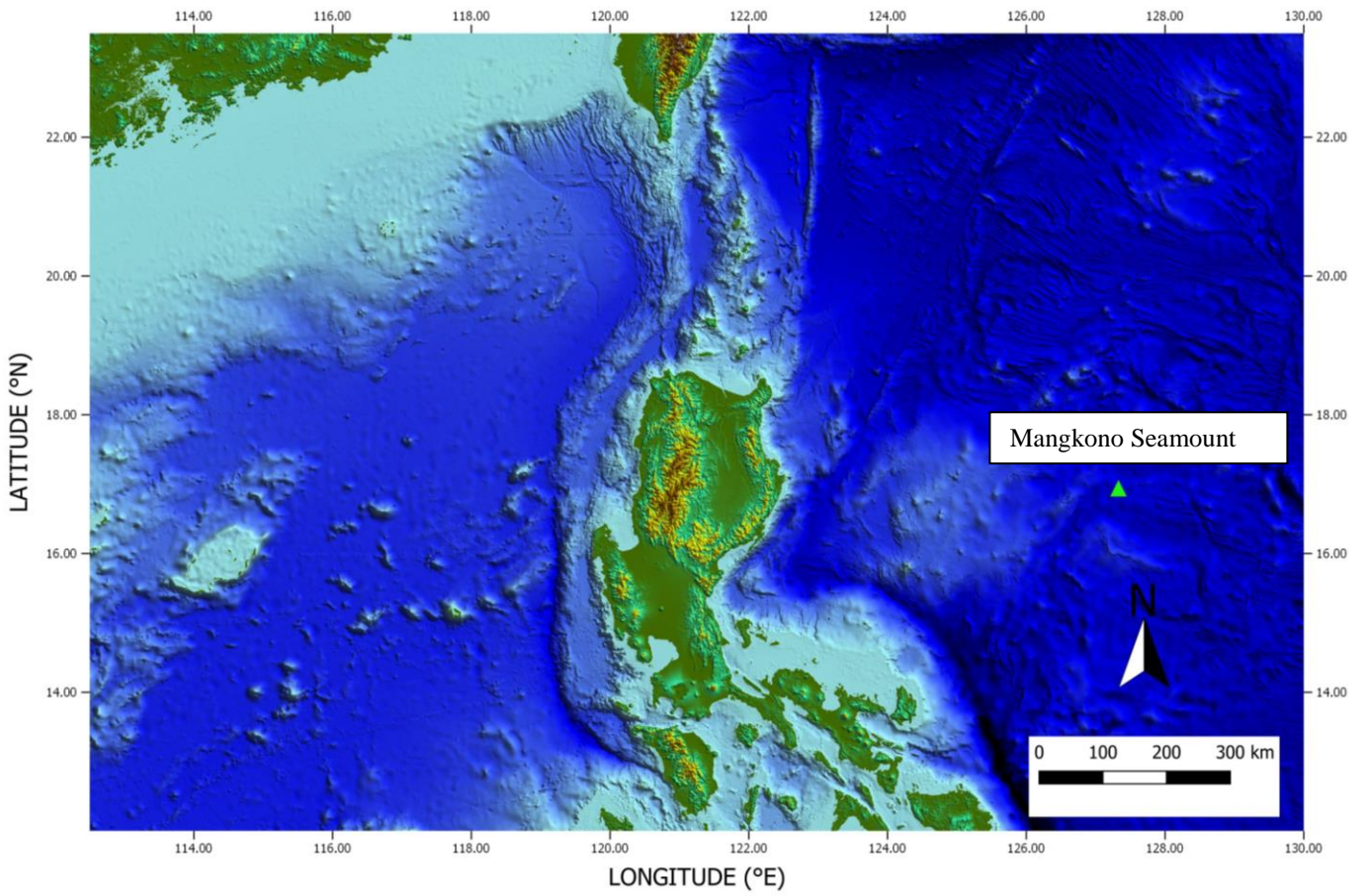


Figure 1. Index map showing the location of Mangkono Seamount.

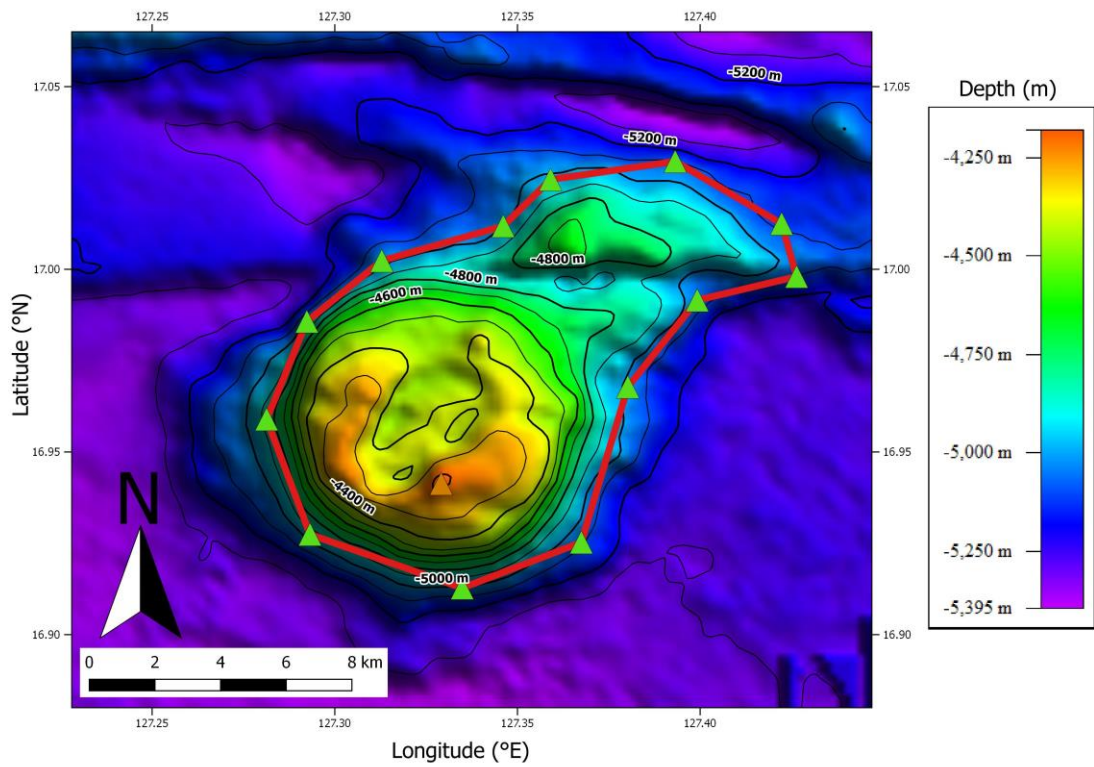


Figure 2. Bathymetric map of the Mangkono Seamount. Contour interval is 100m.

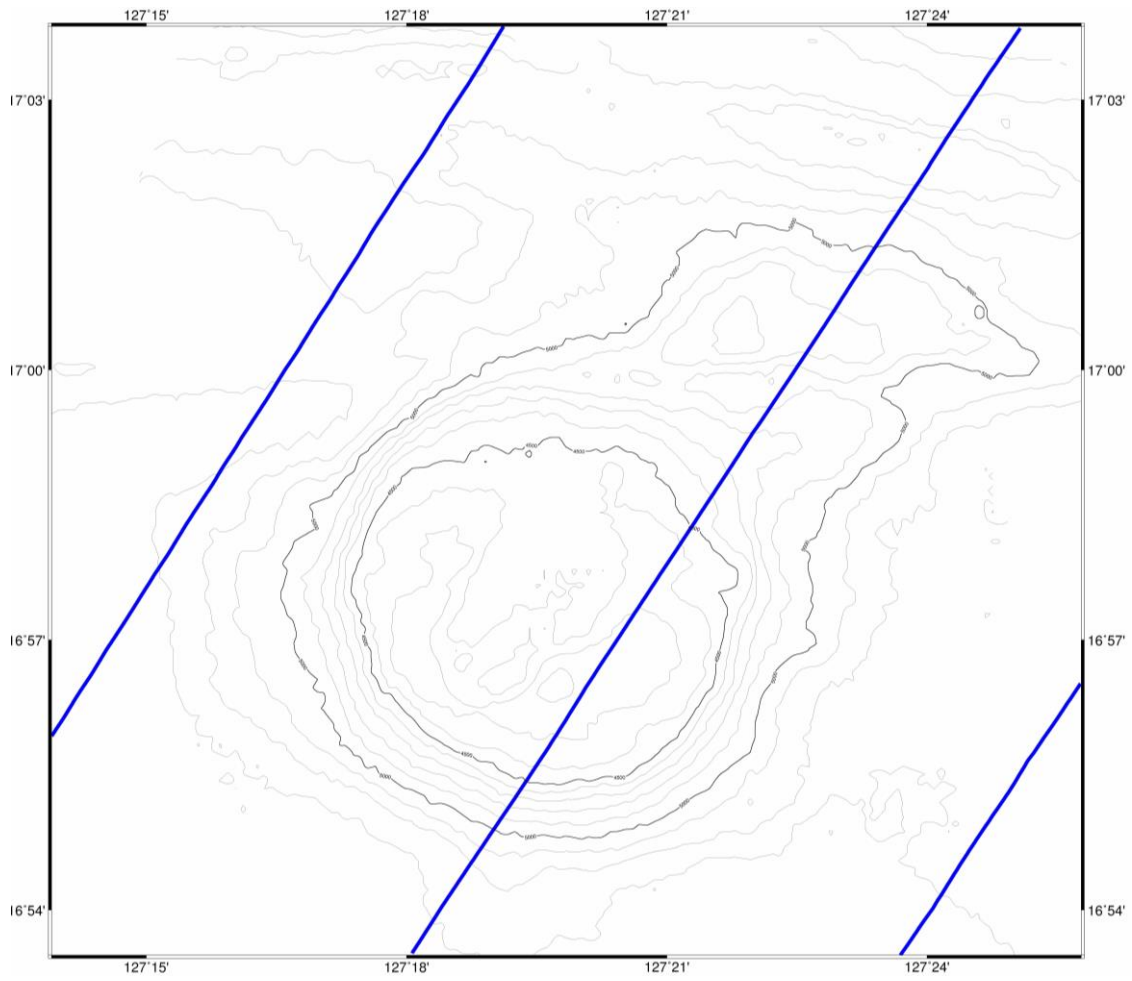


Figure 3. Bathymetric map of Mangkono Seamount showing track lines.

ELEVATION

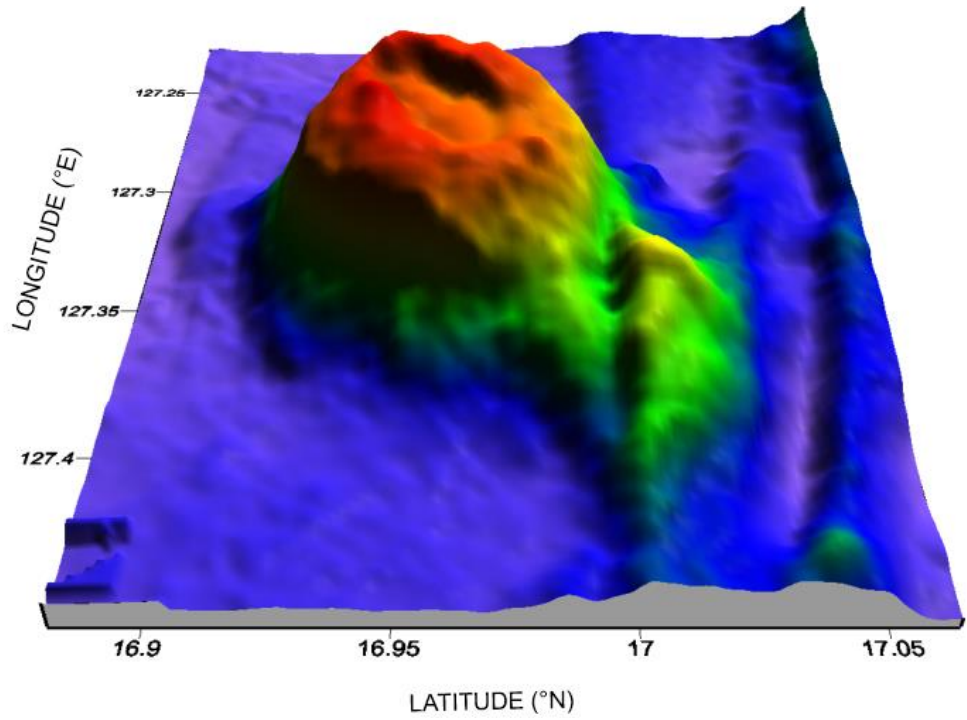
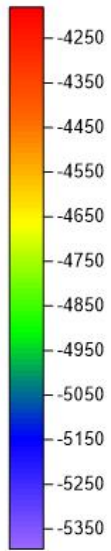


Figure 4. 3D bathymetric map of the Mangkono Seamount. View looking south.

ELEVATION

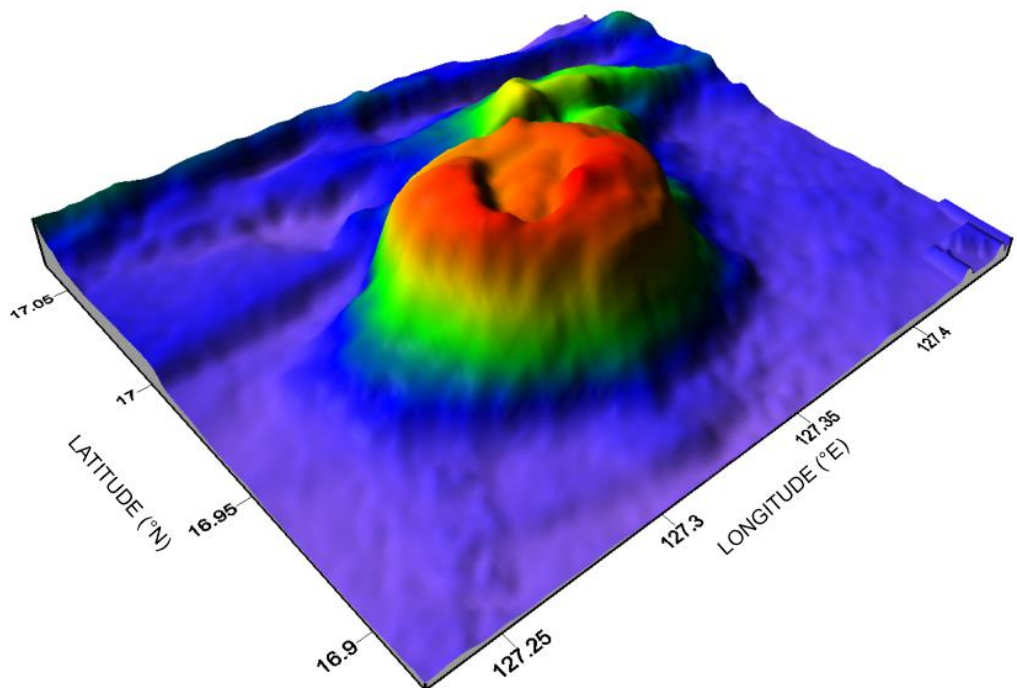
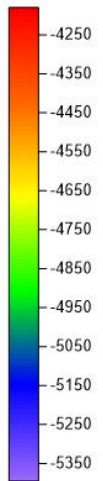


Figure 5. 3D bathymetric map of the Mangkono Seamount. View looking northeast.

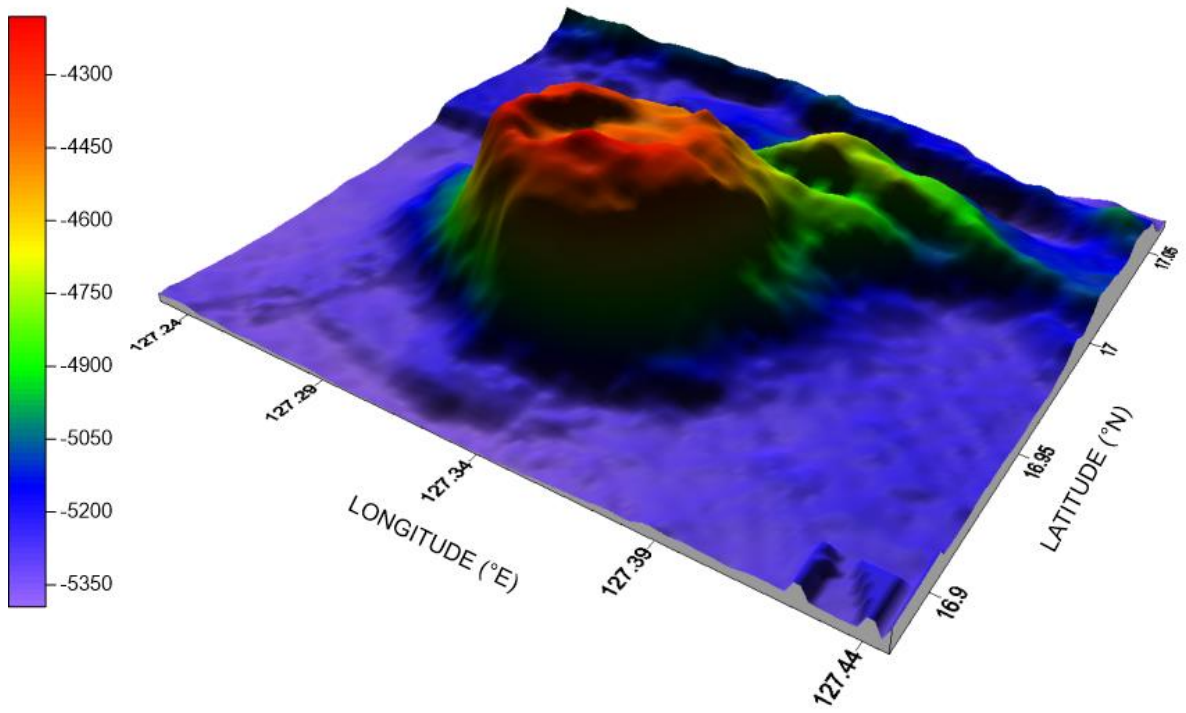


Figure 6. 3D bathymetric map of the Mangkono Seamount. View looking Northwest

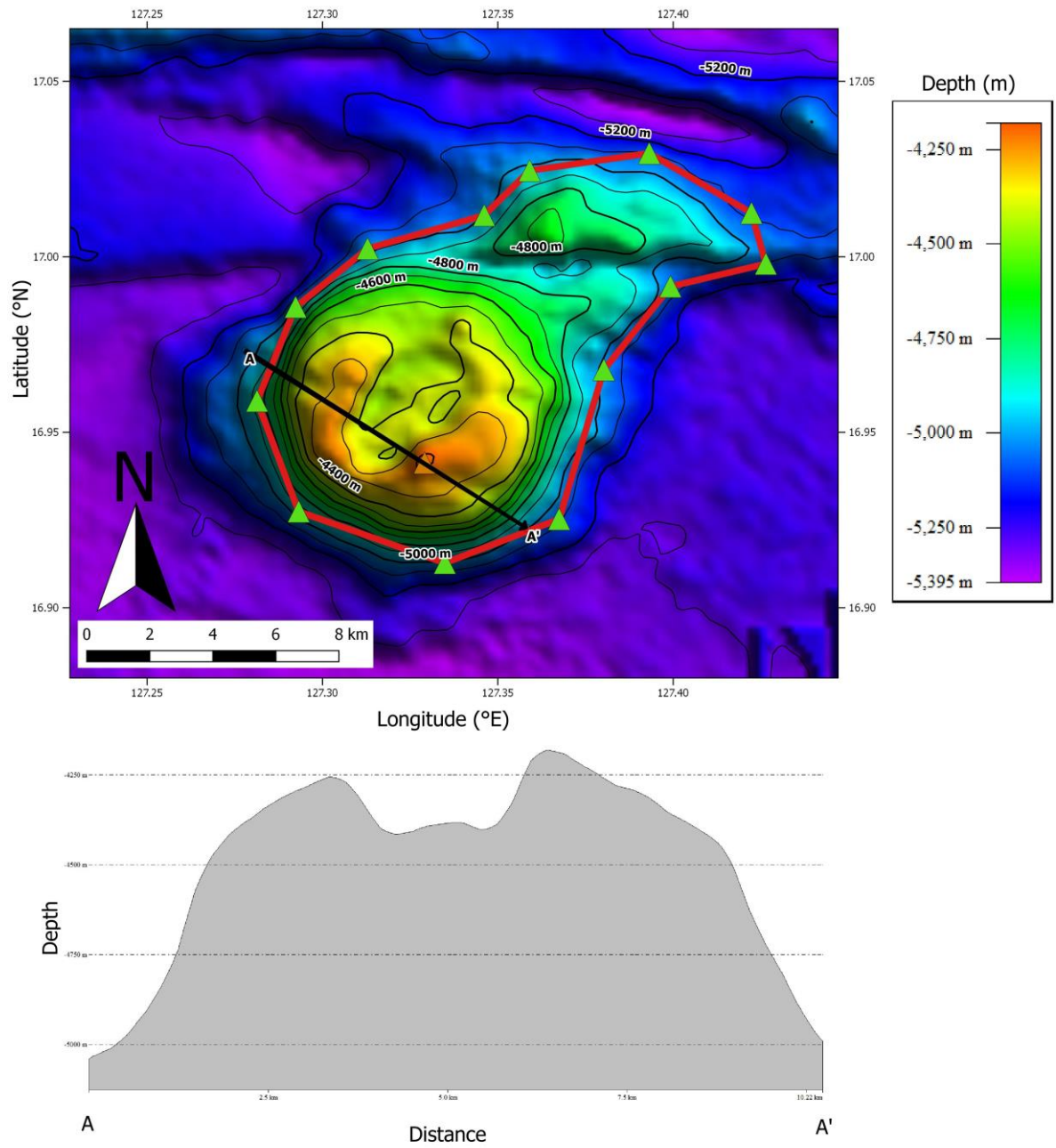


Figure 7. Profiles of the Mangkono Seamount with bathymetric data from A to A'.