INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

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:	Bicol Shelf	**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		Yes				

** Geometry should be clearly distinguished when providing the coordinates below.*

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'E)
Coordinates:	14˚ 56.3'N (shallow) 15˚ 15.7'N (depth) 15˚ 27.7'N (bounds) 15˚ 32.2'N 15˚ 33.1'N 15˚ 34.8'N 15˚ 25.6'N 15˚ 7.8'N 14˚ 45.9'N 14˚ 30.2'N 14˚ 20.4'N 14˚ 19.2'N (bounds)	123˚ 44.3'E (shallow) 124˚ 12.2'E (depth) 122˚ 46.5'E (bounds) 122˚ 59.1'E 123˚ 5.2'E 123˚ 32.5'E 123˚ 57.8'E 124˚ 23.5'E 124˚ 38.8'E 124˚ 48.9'E 124˚ 43.6'E 124˚ 27.4'E (bounds)

Feature Description:	Maximum Depth:	5,863.75 m	Steepness :	5.45˚
	Minimum Depth :	28.11 m	Shape :	Half Oval
	Total Relief :	5,863.75 m	Dimension/Size :	140,051.88 m x 226,612.59 m

Associated Features:	Bicol Saddle

Chart/Map References:	Shown Named on Map/Chart:	Chart 4726A
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	Chart 4726A

Reason for Choice of Name (if a person, state how associated with the feature to be named)**:**	The word Bikol which replaced Ibalon was originally bikod (meaning "meandering"), a word which supposedly described the principal river of that area. Ibalong used to mean the "people of Ibal"; eventually, this was shortened to Ibalon. Bicol is the nearest region beside the feature. The feature name was prominently used in the Philippine submission of an extended continental shelf in the Philippine Rise (Benham Rise) Region.

Discovery Facts:	Discovery Date:	June 7, 2008
	Discoverer (Individual, Ship):	NAMRIA

Supporting Survey Data, including Track Controls:	Date of Survey:	May 4-6, 8-10, 29-31, 2004; June 1, 2004; July 19-22, 2004; September 11-12, 2004; April 3-4. 6, 2006; June 18-21, 25-26, 2007; July 4, 2007; March 17-19, 26, 2008; May 1, 2008; June 7, 2008;
	Survey Ship:	BRP HYDROGRAPHER PRESBITERO and BRP HYDROGRAPHER VENTURA
	Sounding Equipment:	Seabeam 2112
	Type of Navigation:	GPS with IMU
	Estimated Horizontal Accuracy, in nautical miles (nm):	0.027 nm (50 m)
	Survey Track Spacing:	5.4 nm
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Usec. PETER N. TIANGCO, PhD
	Date :	August 2018
	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.

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/

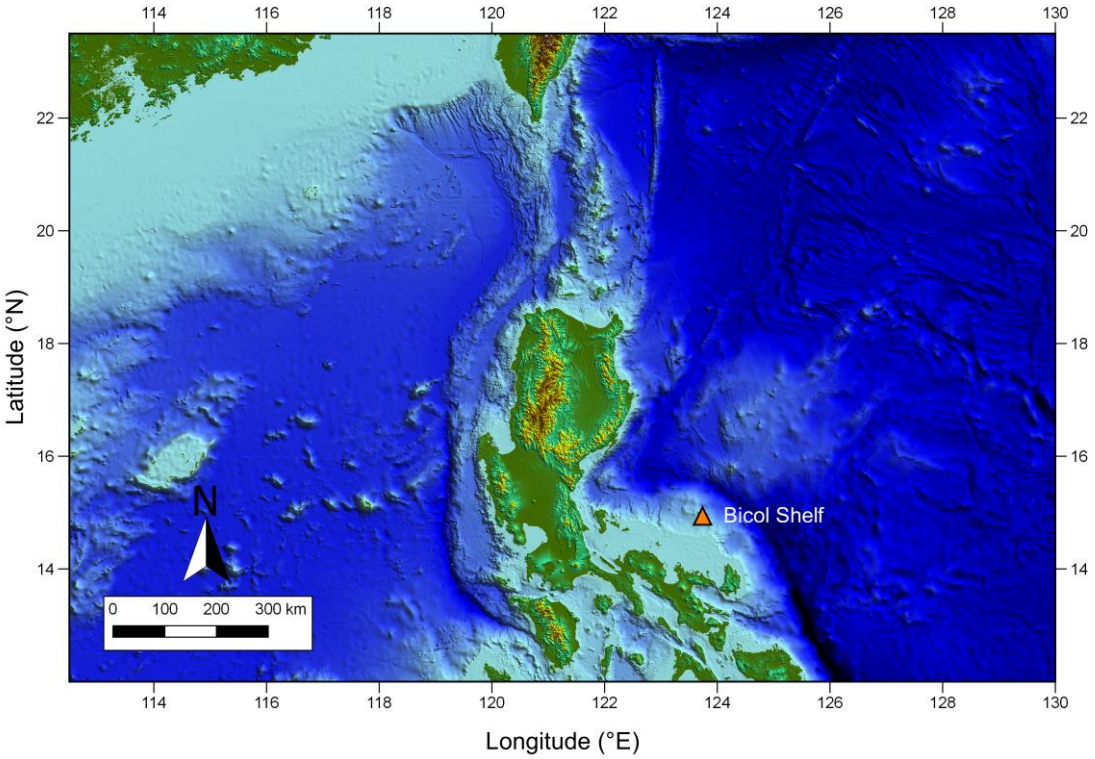

Fig. 1. Index map showing the location of Bicol Shelf.

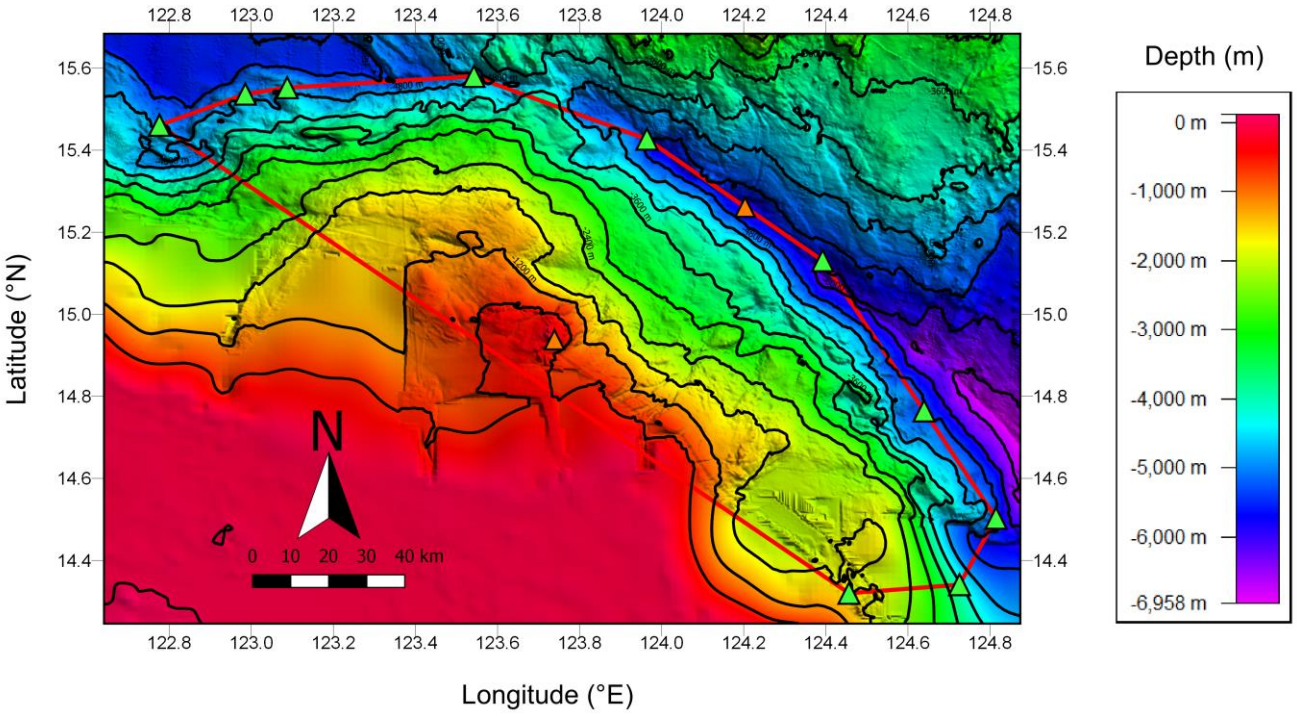

Fig. 2. Bathymetric map of the Bicol Shelf. Contour interval is 600m.

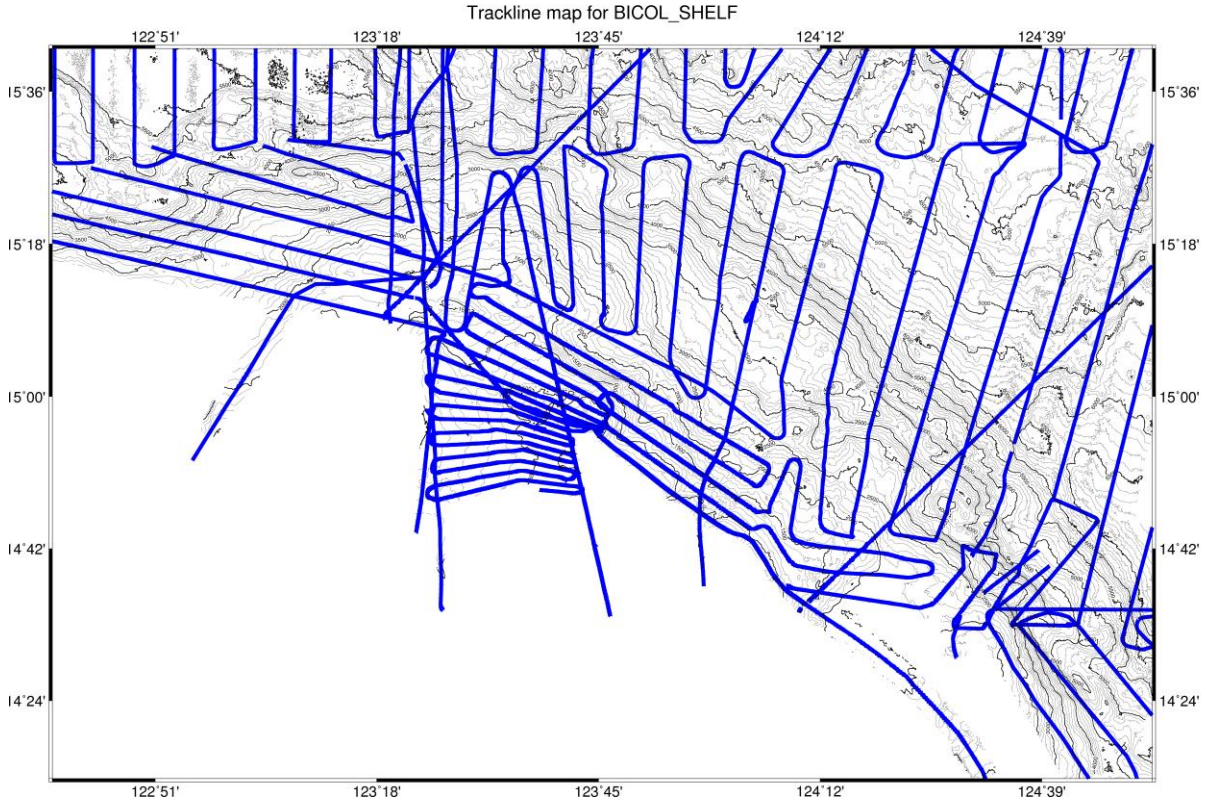

Fig 3. Bathymetric map of Bicol Shelf showing track lines.

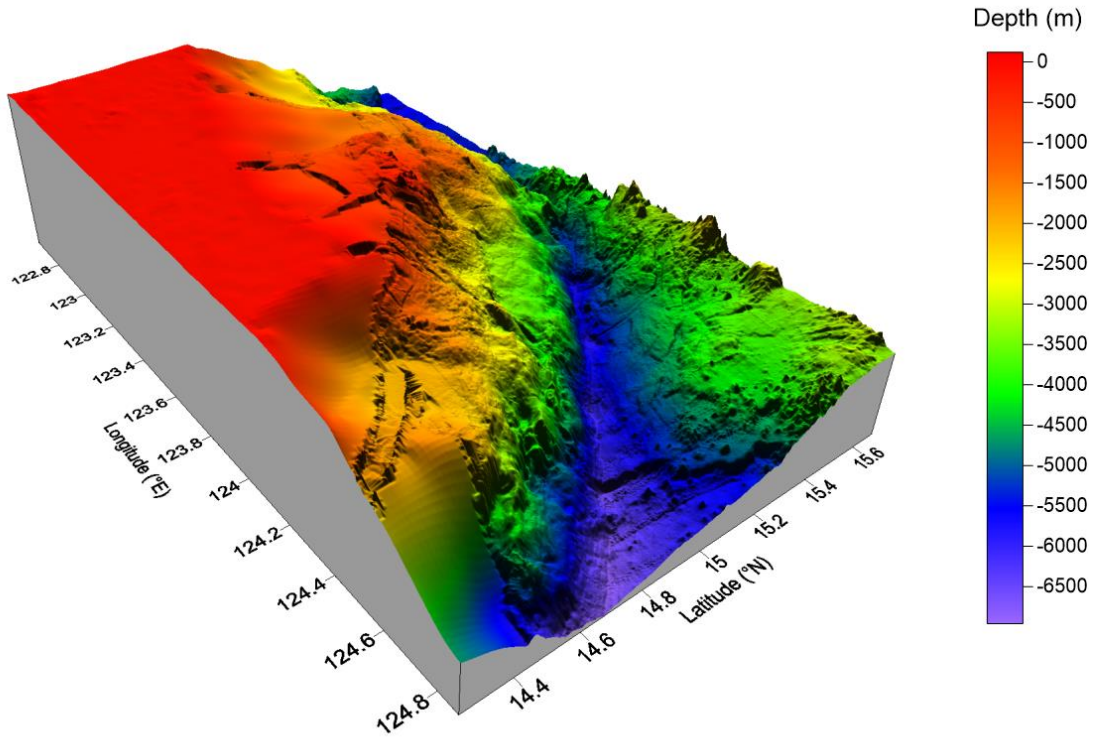

Figure 4. 3D bathymetric map of the Bicol Shelf. View looking northwest.

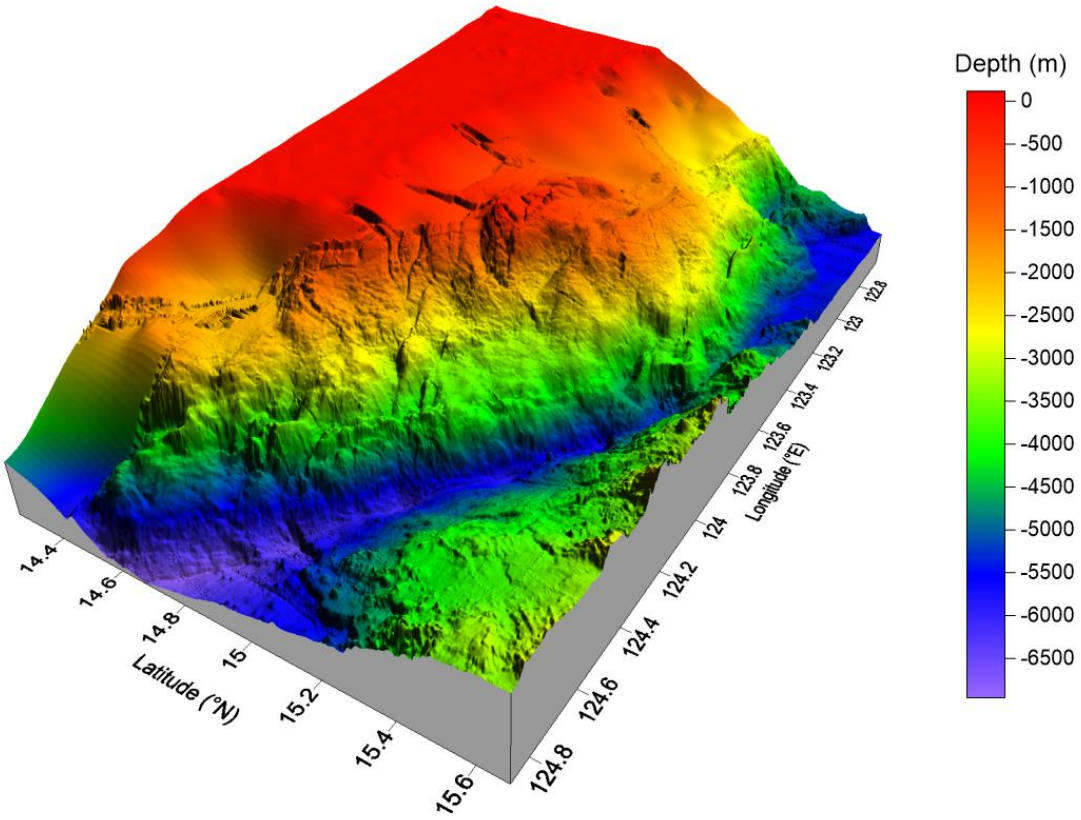

Figure 5. 3D bathymetric map of the Bicol Shelf. View looking southwest.

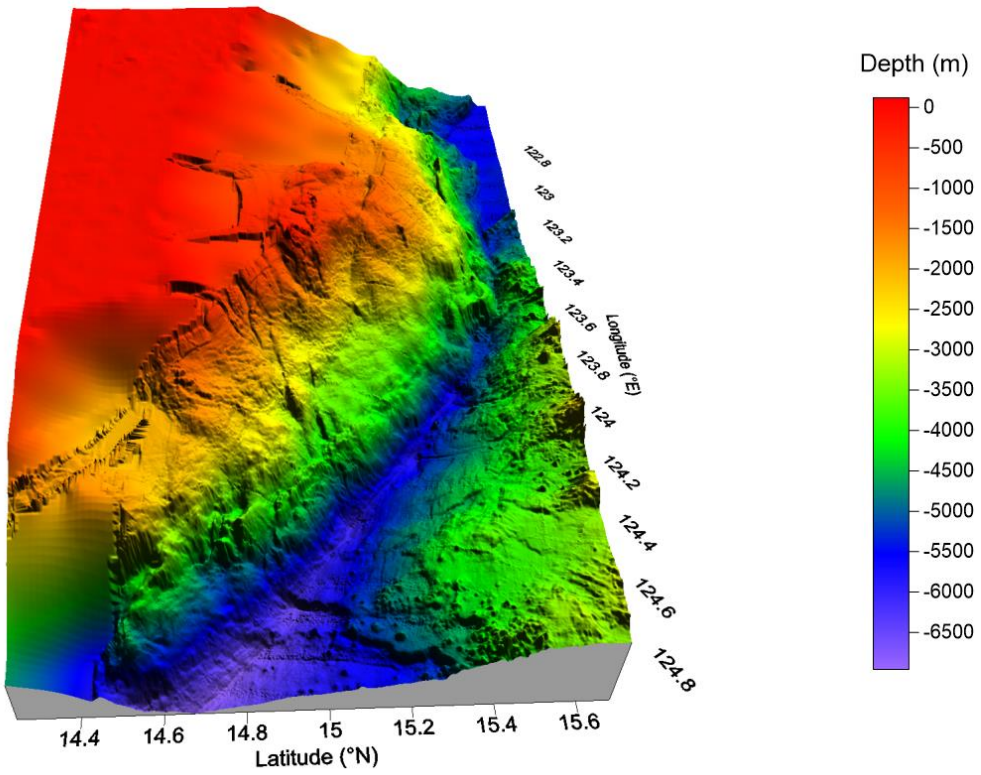

Figure 6. 3D bathymetric map of the Bicol Shelf, view looking north.

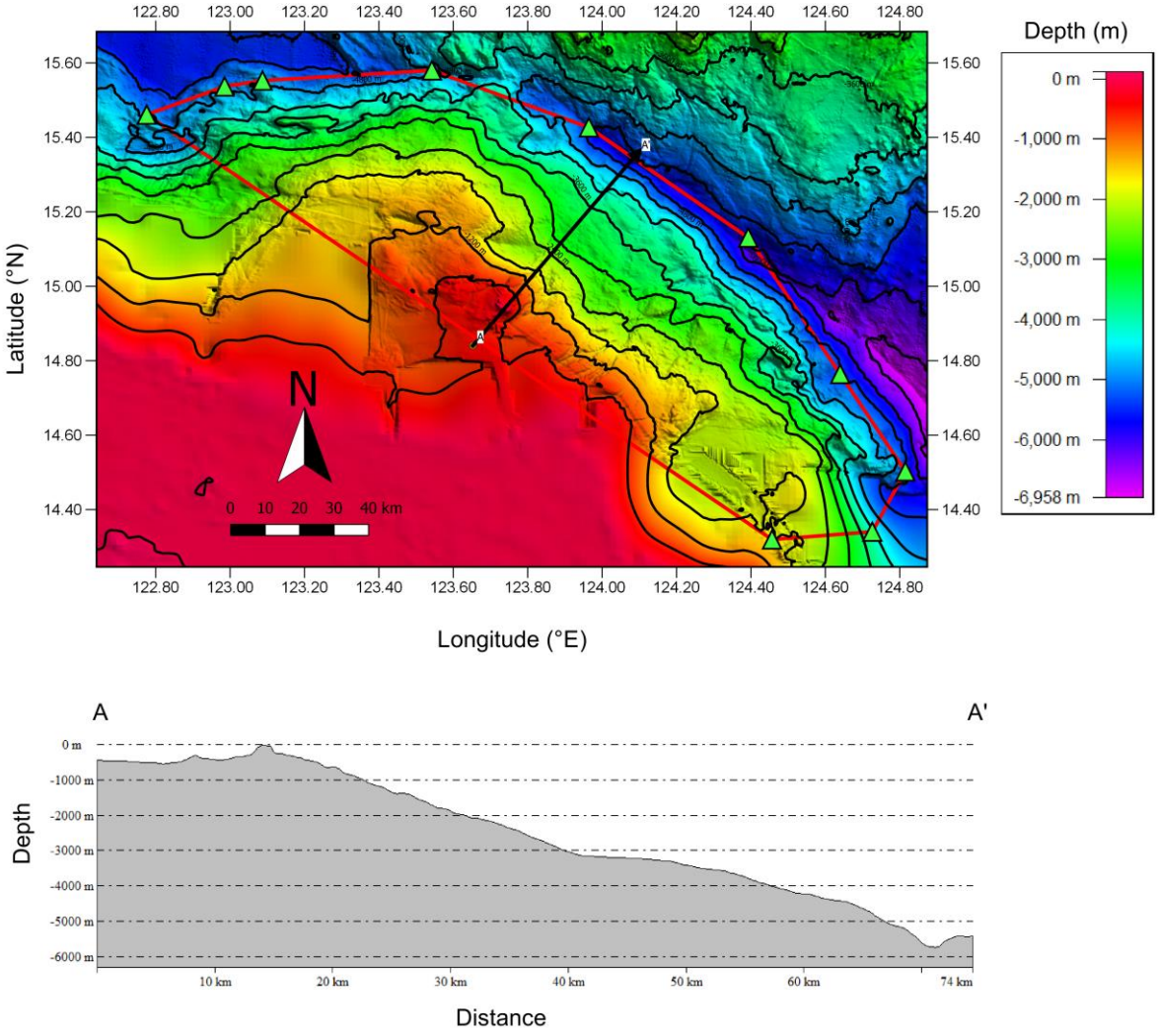

Figure 7. Profile (A-A') of Bicol Shelf going North East with vertical exaggeration of 3.