

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

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

<b>Name Proposed:</b>	East Luzon Trough	<b>Ocean or Sea:</b>	Philippine Sea
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<b>Geometry</b> 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.

<b>Coordinates:</b>	Lat. (e.g. 63°32.6'N)		Long. (e.g. 046°21.3'E)	
	15° 40.7'N	(boundary)	122° 30.1'E	(boundary)
	15° 29.1'N		122° 49.4'E	
	15° 32.9'N		123° 17.3'E	
	15° 47.3'N		123° 10.1'E	
	15° 49.5'N		123° 0'E	
	15° 56.4'N		122° 54.7'E	
	16° 56.1'N		123° 15.1'E	
	17° 19.6'N		123° 31.6'E	
	17° 23.9'N		123° 41.5'E	
	17° 45.1'N		123° 51.1'E	
	17° 49.6'N		123° 34.1'E	
	17° 30.1'N		123° 27.5'E	
	17° 2.6'N		123° 6.8'E	
	17° 0.8'N		122° 56.2'E	
15° 40.7'N	(boundary)	122° 30.1'E	(boundary)	

<b>Feature Description:</b>	<b>Maximum Depth:</b>	5,699.90 m	<b>Steepness :</b>	
	<b>Minimum Depth :</b>	4,123.11 m	<b>Shape :</b>	L-shape
	<b>Total Relief :</b>	1,576.79 m	<b>Dimension/Size :</b>	259,100 m x 142,990 m

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

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	The trough's name is derived from its location, in the East Luzon. It is along the north-east side of the Philippines. The feature name was prominently used in the Philippine submission of an extended continental shelf in the Philippine Rise (Benham Rise) Region.
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<b>Discovery Facts:</b>	<b>Discovery Date:</b>	June 12, 2010
	<b>Discoverer (Individual, Ship):</b>	NAMRIA

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	August 1-3 2007, July 19-20 2004, July 25-26 2007, July 4,6-7 2007, June 10-11 2010, June 1 2004, June 12 2010, June 15 2008, June 18-22 2007, June 19 2008, June 2 2010, June 25 2007, June 3-4 2010, June 7 2008, June 7 2010, June 8 2008, June 8-9 2010, March 17-19 2008, May 10 2004, May 3-5 2008, May 6-9 2004, September 13 2004, September 15 2004
	Survey Ship:	BRP HYDROGRAPHER PRESBITERO
	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:	2.5 nm
	Supporting material can be submitted as Annex in analog or digital form.	

<b>Proposer(s):</b>	Name(s):	Usec. PETER N. TIANGCO, PhD
	Date :	August 2018
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	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 <a href="mailto:moao.div2@dfa.gov.ph">moao.div2@dfa.gov.ph</a>  Department of National Defense (DND), Camp Emilio Aguinaldo, Quezon City, Philippines 1110

<b>Remarks:</b>	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 the 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: <a href="mailto:info@iho.int">info@iho.int</a> Web: <a href="http://www.iho.int">www.iho.int</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a> Web: <a href="http://ioc-unesco.org/">http://ioc-unesco.org/</a>
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Attachments

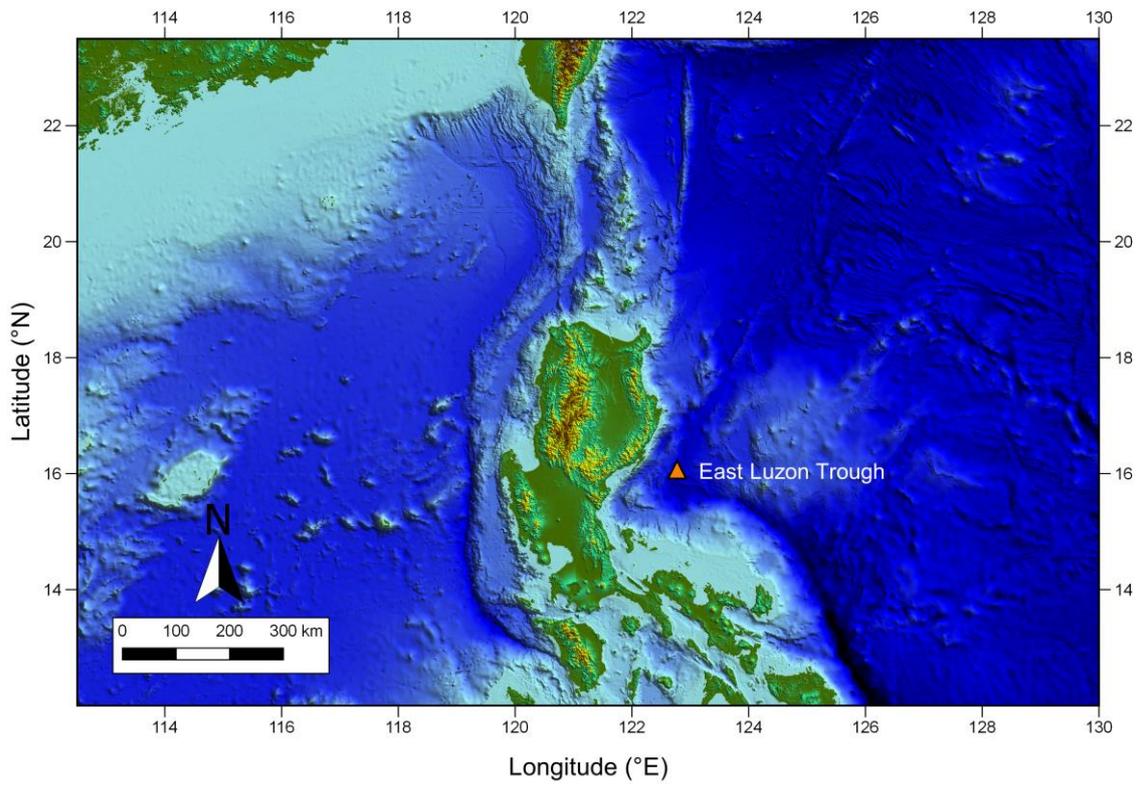


Fig. 1. Index map showing the location of East Luzon Trough.

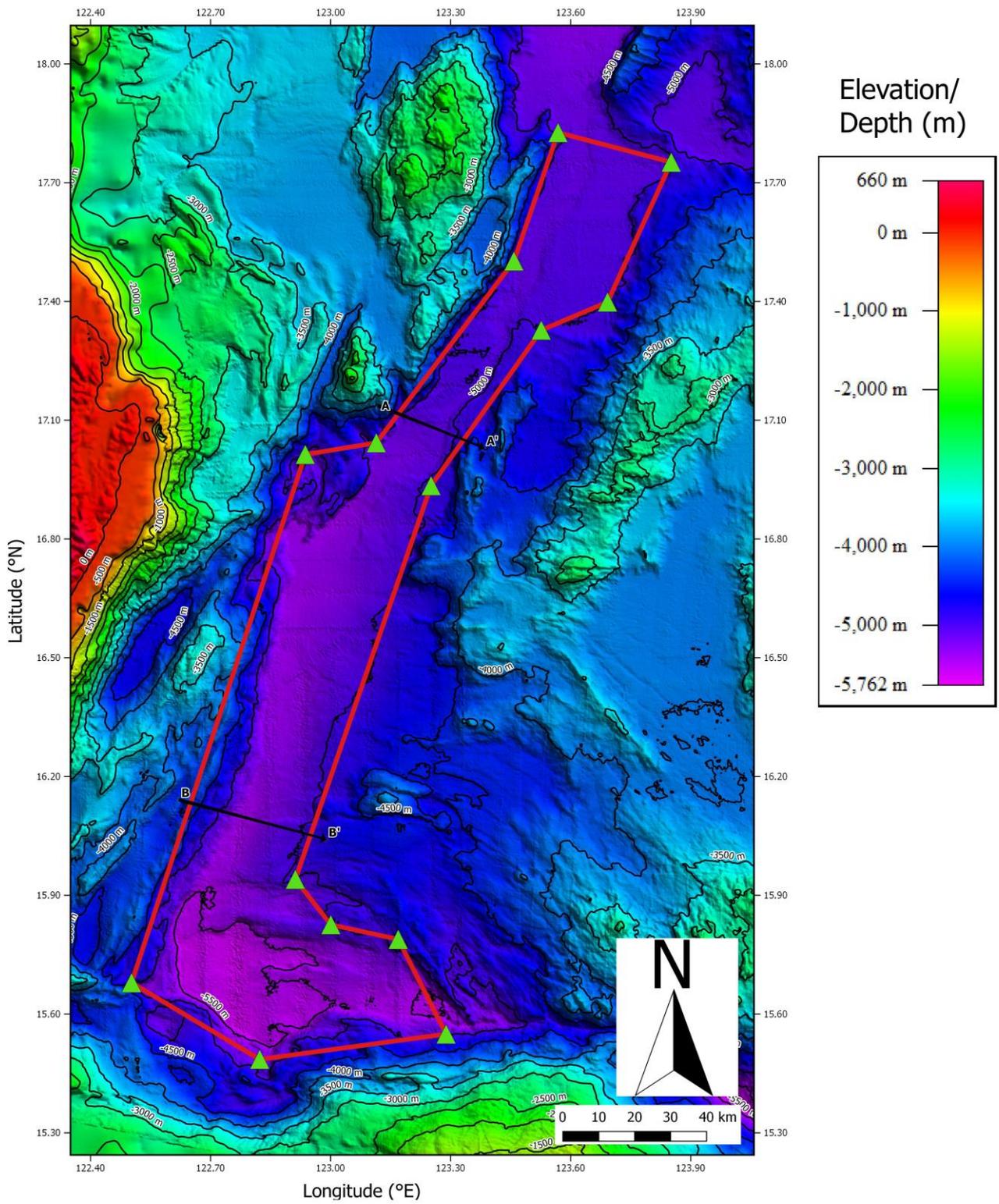


Fig. 2. Bathymetric map of the East Luzon Trough. Contour interval is 500m.

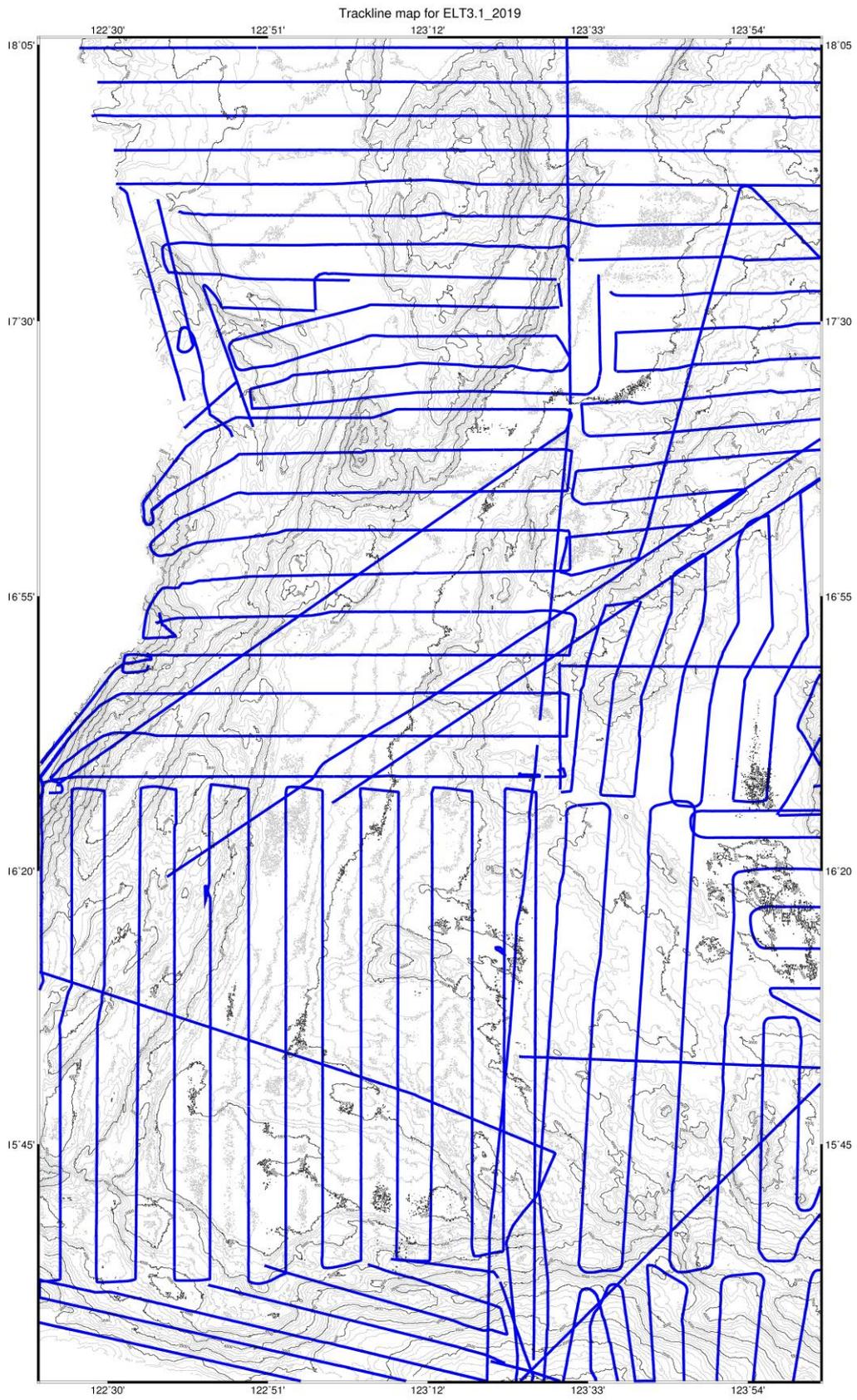


Fig 3. Bathymetric map of East Luzon Trough showing track lines.

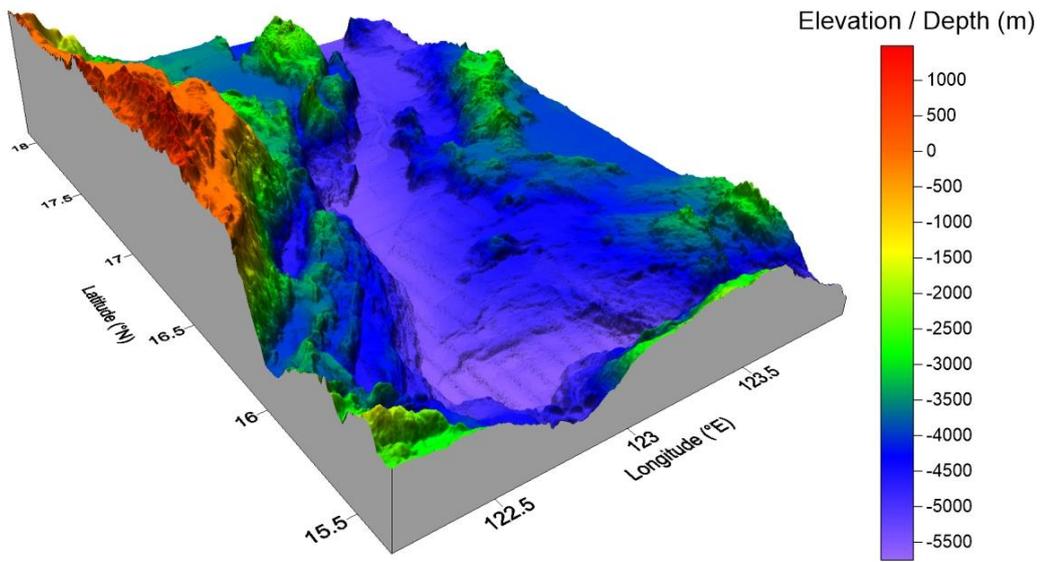


Figure 4. 3D bathymetric map of the East Luzon Trough. View looking northeast.

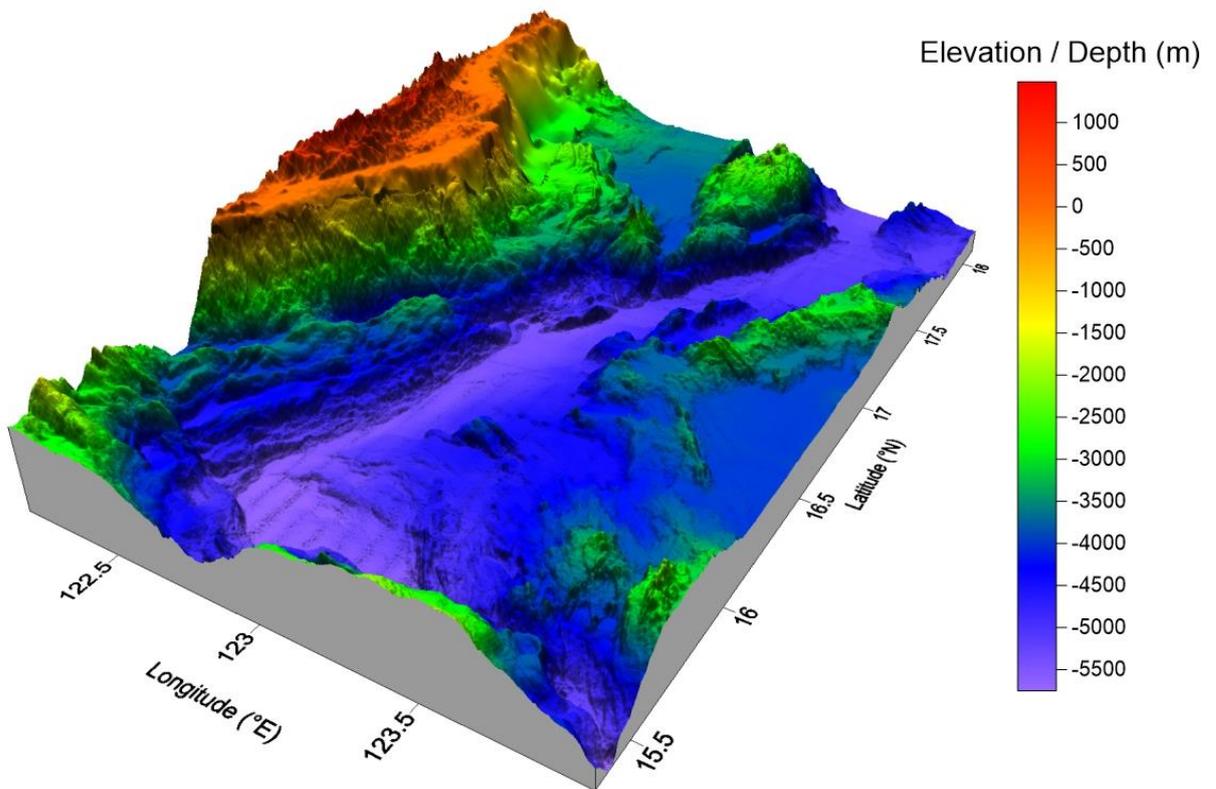


Figure 5. 3D bathymetric map of the East Luzon Trough. View looking northwest.

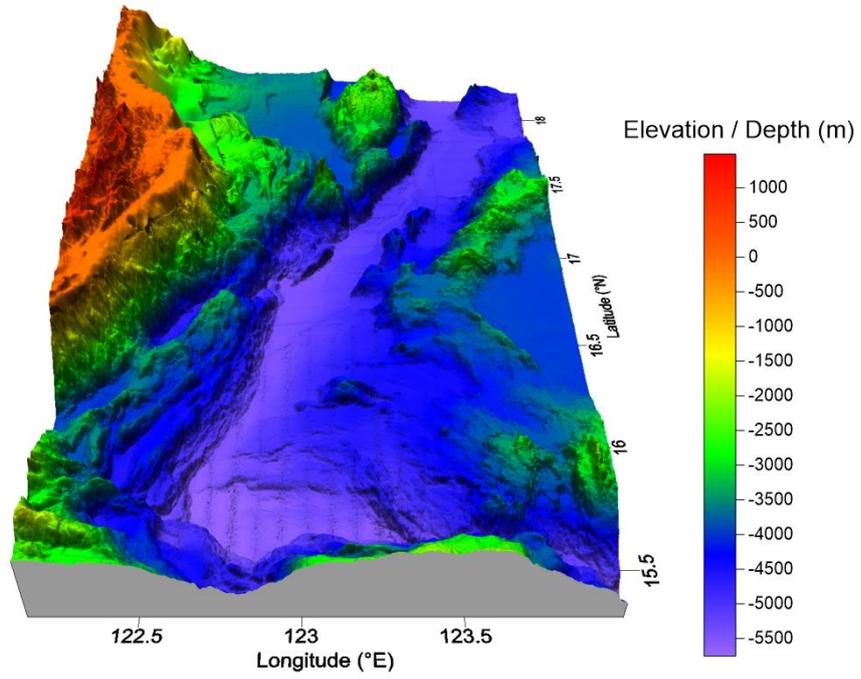


Figure 6. 3D bathymetric map of the East Luzon Trough, view looking north.

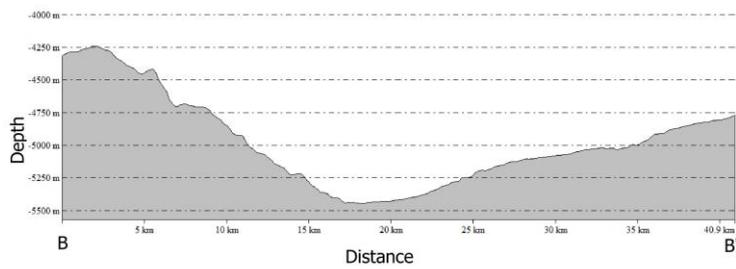
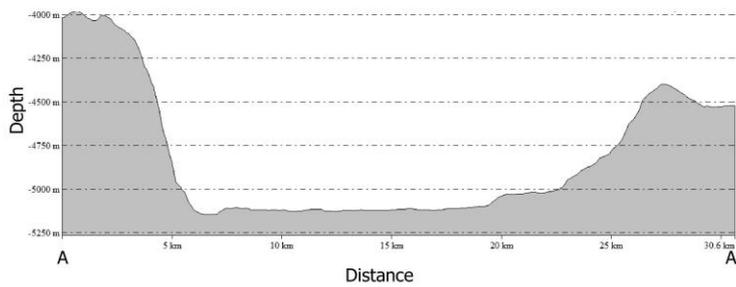
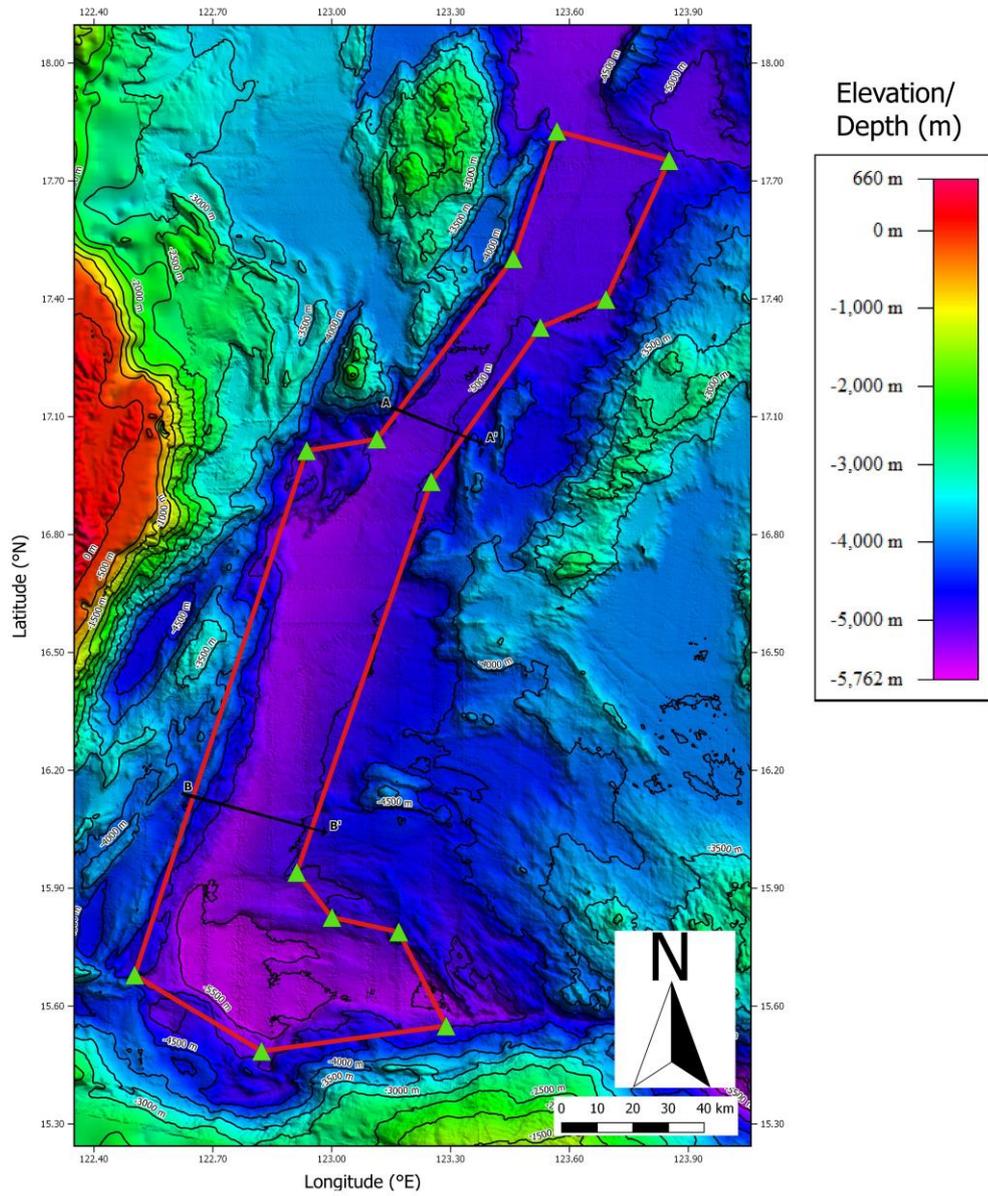


Figure 7. Profiles of the East Luzon Trough are shown with the bathymetric map.