

UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

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

Name Proposed: **Haemirae Knoll** **Ocean or Sea:** **East Pacific Ocean**

Geometry that best defines the feature (Yes/No) :

Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
Yes (small scale)		Yes (large scale)				

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

	Lat.	Long.
Point Coordinates:	10°39.9'N	135°48.1'W
	10°42.9'N	135°48.7'W
	10°41.6'N	135°50.6'W
Polygon Coordinates:	10°38.4'N	135°50.8'W
	10°35.2'N	135°45.0'W
	10°39.4'N	135°45.6'W

Feature Description:	Maximum Depth:	4,800m	Steepness :	8°
	Minimum Depth :	4,170m	Shape :	Dome Shaped
	Total Relief :	630m	Dimension/Size :	11km × 9km

Associated Features: **Clarion Fracture Zone**

Chart/Map References:

Shown Named on Map/Chart:	
Shown Unnamed on Map/Chart:	
Within Area of Map/Chart:	UKHO 4808(scale 1:3.5mIn)

Reason for Choice of Name (if a person, state how associated with the feature to be named):

Haemirae is the name of a remotely-operated underwater vehicle (ROV), which was invented at the Korea Ocean Research & Development Institute (KORDI) in 2006 to closely examine deep sea areas and is deployed aboard the R/V Onnuri. Haemirae has been utilized to explore an area of the central Pacific Ocean that is deeper than 6,000m.

Discovery Facts:

Discovery Date:	July 5-6, 2006
Discoverer (Individual, Ship):	R/V Onnuri

Supporting Survey Data, including Track Controls:

Date of Survey:	July 5-6, 2006
Survey Ship:	R/V Onnuri
Sounding Equipment:	Multibeam Echosounder (EM120)
Type of Navigation:	Konmap System (DGPS)
Estimated Horizontal Accuracy (nm):	0.053996nm(100M)
Survey Track Spacing:	Line-spacing of the survey tracks was adjusted to ensure 100% multibeam coverage.

Supporting material can be submitted as Annex in analog or digital form.

Proposer(s):	Name(s):	Korean Committee on Geographical Names (tentatively named), Republic of Korea
	Date:	August 11, 2010
	E-mail:	infokhoa@korea.kr
	Organization and Address:	195 Seohaero, Jung-gu, Incheon 400-800, Republic of Korea
	Concurrer (name, e-mail, organization and address):	

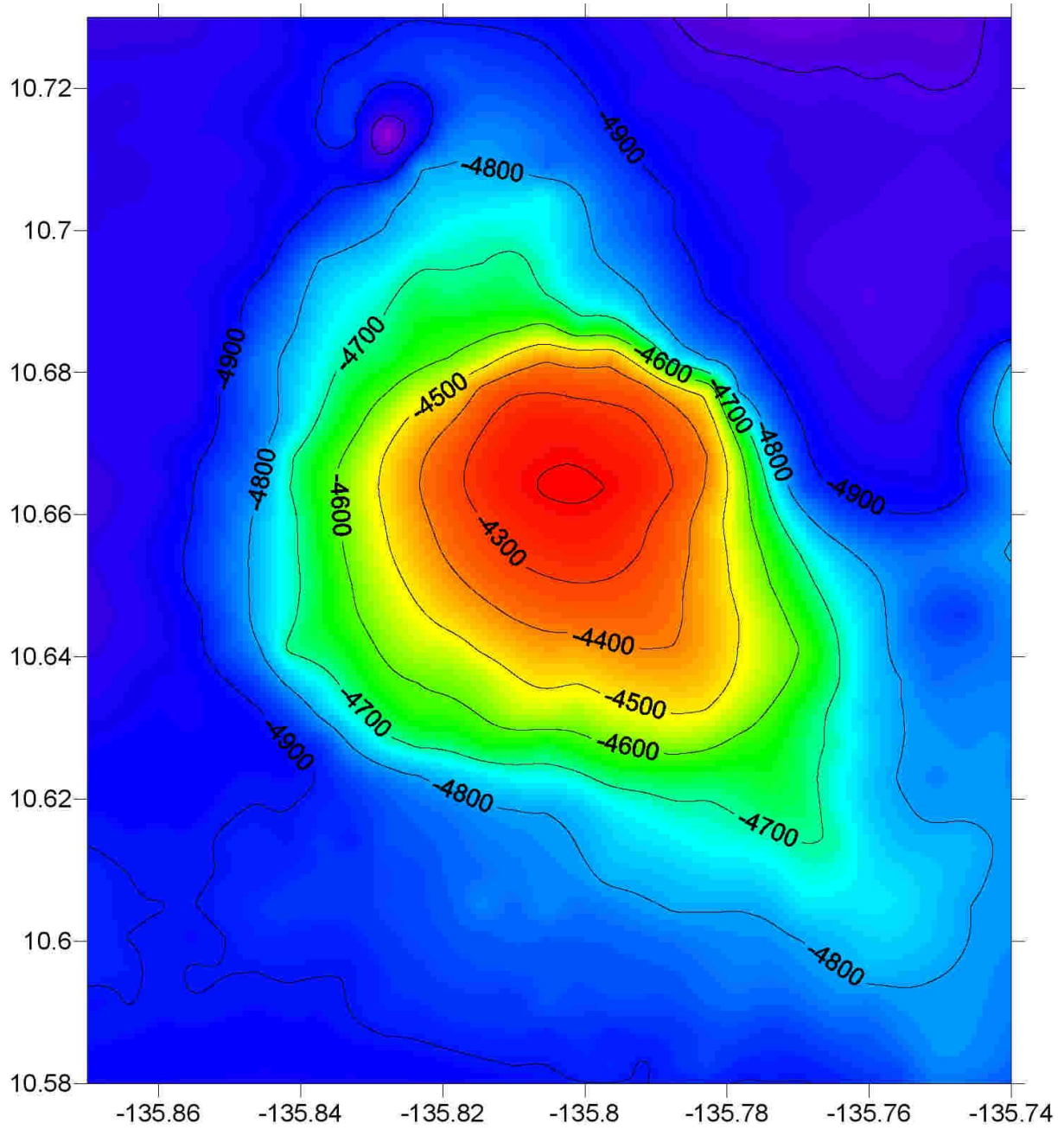
Remarks:

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 :

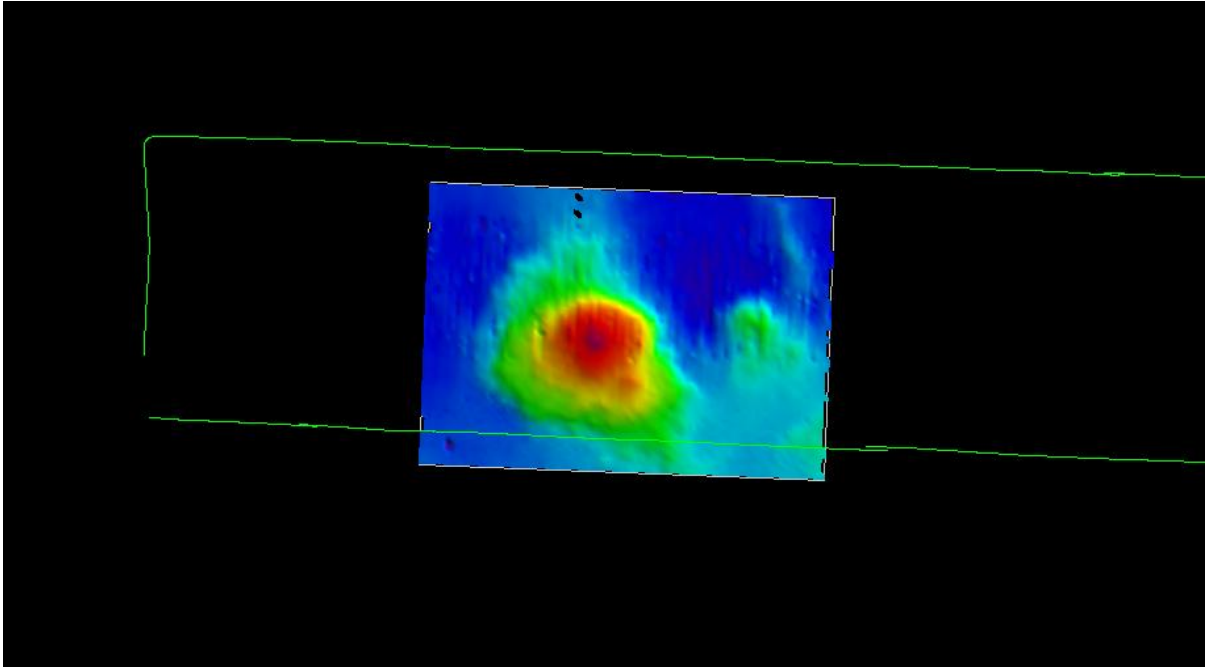
International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX <u>Principality of MONACO</u> Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
---	--

Haemirae Knoll



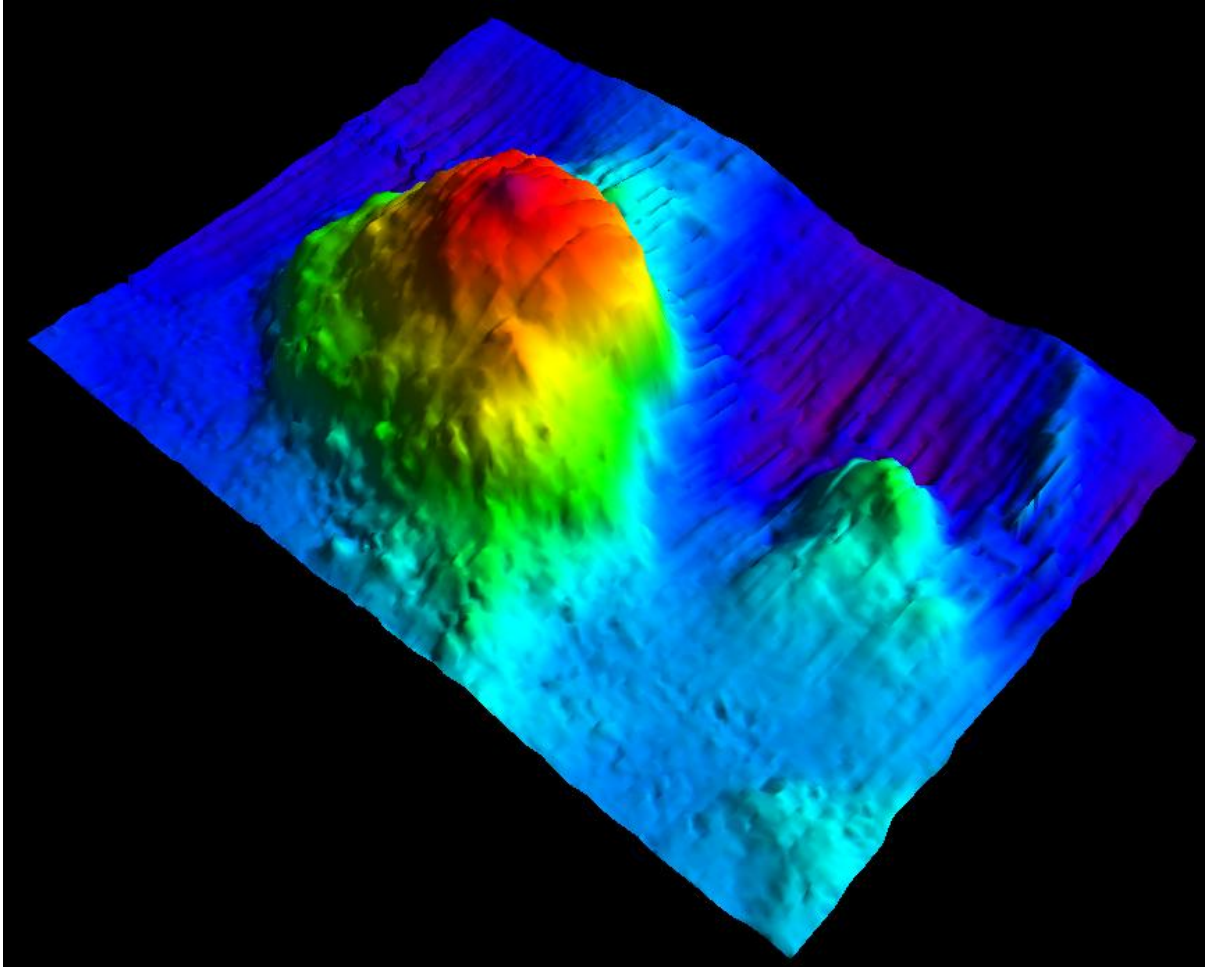
2-D Bathymetric Contour Map of Haemirae Knoll
Contour Interval = 100 meters

Haemirae Knoll



Multibeam survey tracklines for Haemirae Knoll

Haemirae Knoll



3-D topographic map of Haemirae Knoll