

**UNDERSEA FEATURE NAME PROPOSAL**

(Sea NOTE overleaf)

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

<b>Name Proposed:</b>	<b>Seorak Seamount</b>	<b>Ocean or Sea:</b>	<b>Southern Ocean</b>
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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*
<b>Yes</b>		<b>Yes</b>				

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

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
<b>Point Coordinates:</b>	<b>67°33.52'S</b>	<b>174°11.20'E</b>
<b>Polygon Coordinates:</b>	<b>67°26.21'S</b>	<b>174°12.63'E</b>
	<b>67°30.75'S</b>	<b>174°24.88'E</b>
	<b>67°35.84'S</b>	<b>174°26.31'E</b>
	<b>67°40.49'S</b>	<b>174°10.81'E</b>
	<b>67°38.65'S</b>	<b>174°01.57'E</b>
	<b>67°35.15'S</b>	<b>173°59.67'E</b>
	<b>67°29.18'S</b>	<b>174°01.15'E</b>

<b>Feature Description:</b>	Maximum Depth:	<b>3,400 m</b>	Steepness :	<b>5 ~ 11 °</b>
	Minimum Depth :	<b>1,550 m</b>	Shape :	<b>Dome</b>
	Total Relief :	<b>1,850 m</b>	Dimension/Size :	<b>16 km x 26 km</b>

<b>Associated Features:</b>	
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	<b>The shape of the seamount is similar to the ridge portion of "Seorak Mountain". The feature shows a similar, jagged topographic form as the Seorak Mountain terrestrial feature. Seorak Mountain is in a national park in the Republic of Korea and a very popular tourist attraction.</b>
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<b>Discovery Facts:</b>	Discovery Date:	<b>2011-02-16</b>
	Discoverer (Individual, Ship):	<b>Icebreaker RV ARAON</b>

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	<b>2011-02-16 / 2017-02-20</b>
	Survey Ship:	<b>Icebreaker RV ARAON</b>
	Sounding Equipment:	<b>EM122</b>
	Type of Navigation:	<b>Seapath 200 RTK</b>
	Estimated Horizontal Accuracy (nm):	<b>5 m*</b>
	Survey Track Spacing:	<b>2-3 nautical miles</b>
	Supporting material can be submitted as Annex in analog or digital form.	

\*Vertical and horizontal accuracy based on RMS accuracy of sonar systems, and after estimates in Dowdeswell et al. (2010).

<b>Proposer(s):</b>	Name(s):	<b>Korea Committee on Geographical Names (KCGN), Republic of Korea</b>
	Date:	<b>August 31, 2017</b>
	E-mail:	<b>infokhoa@korea.kr</b>
	Organization and Address:	<b>351, Haeyang-ro, Yeongdo-gu, Busan, Republic of Korea</b>
	Concurrer (name, e-mail, organization and address):	

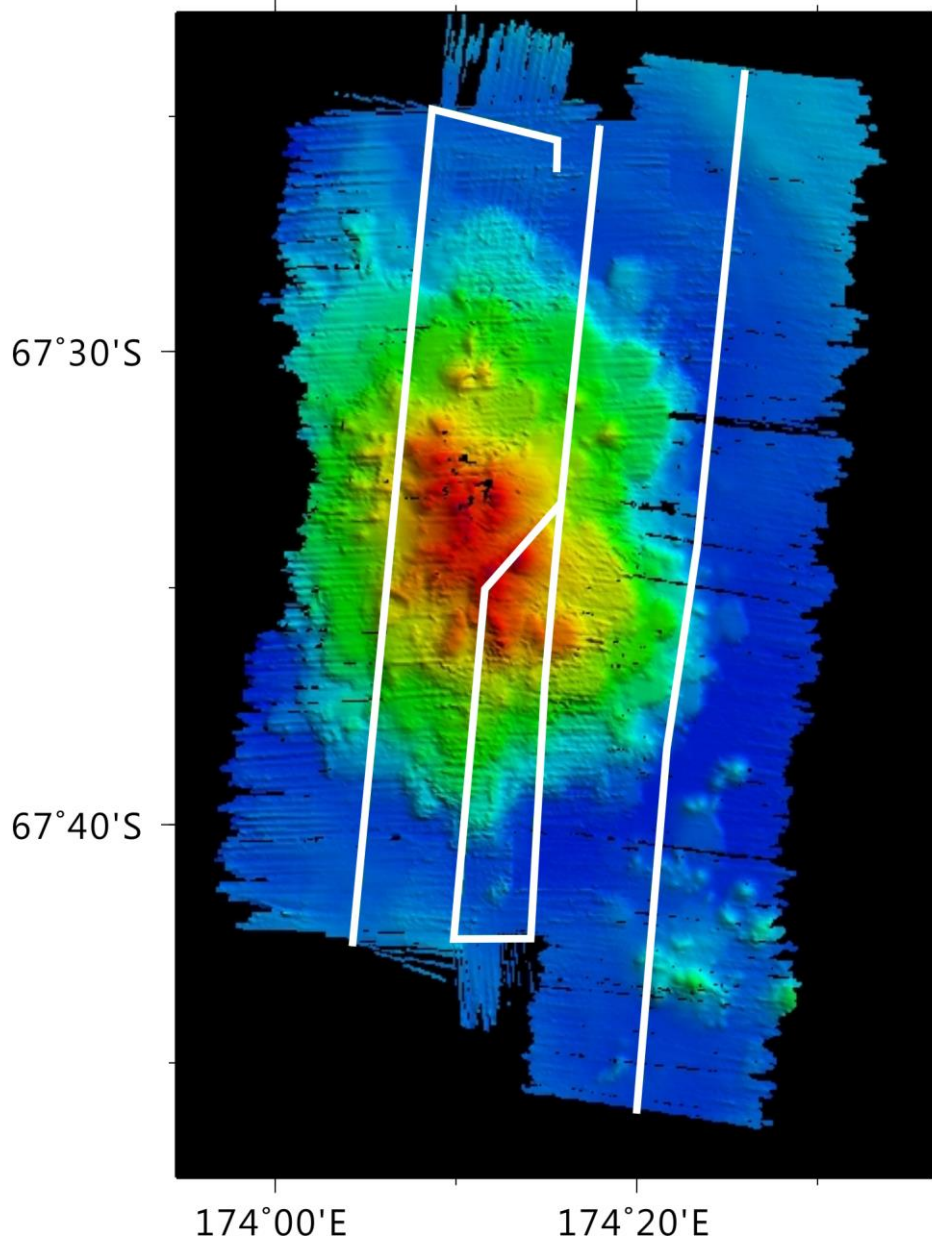
<b>Remarks:</b>	
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**NOTE :** This form should be forwarded, when completed :

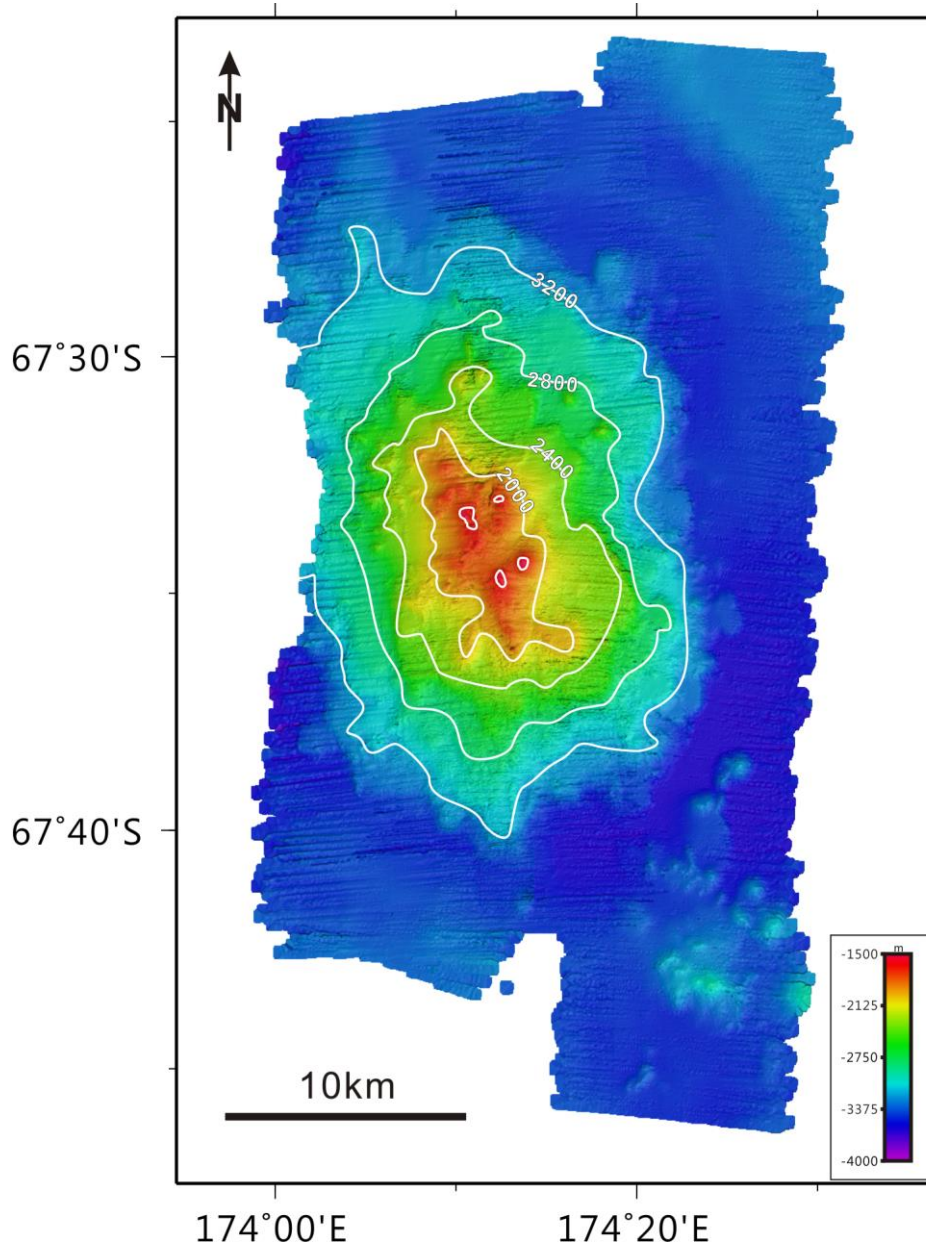
- a) **If the undersea feature is located inside the external limit of the territorial sea :-**  
to your "National Authority for Approval of Undersea Feature Names" (see page 2-9) or, if this does not exist or is not known, either to the IHB or to the IOC (see addresses below);
- b) **If at least 50 % 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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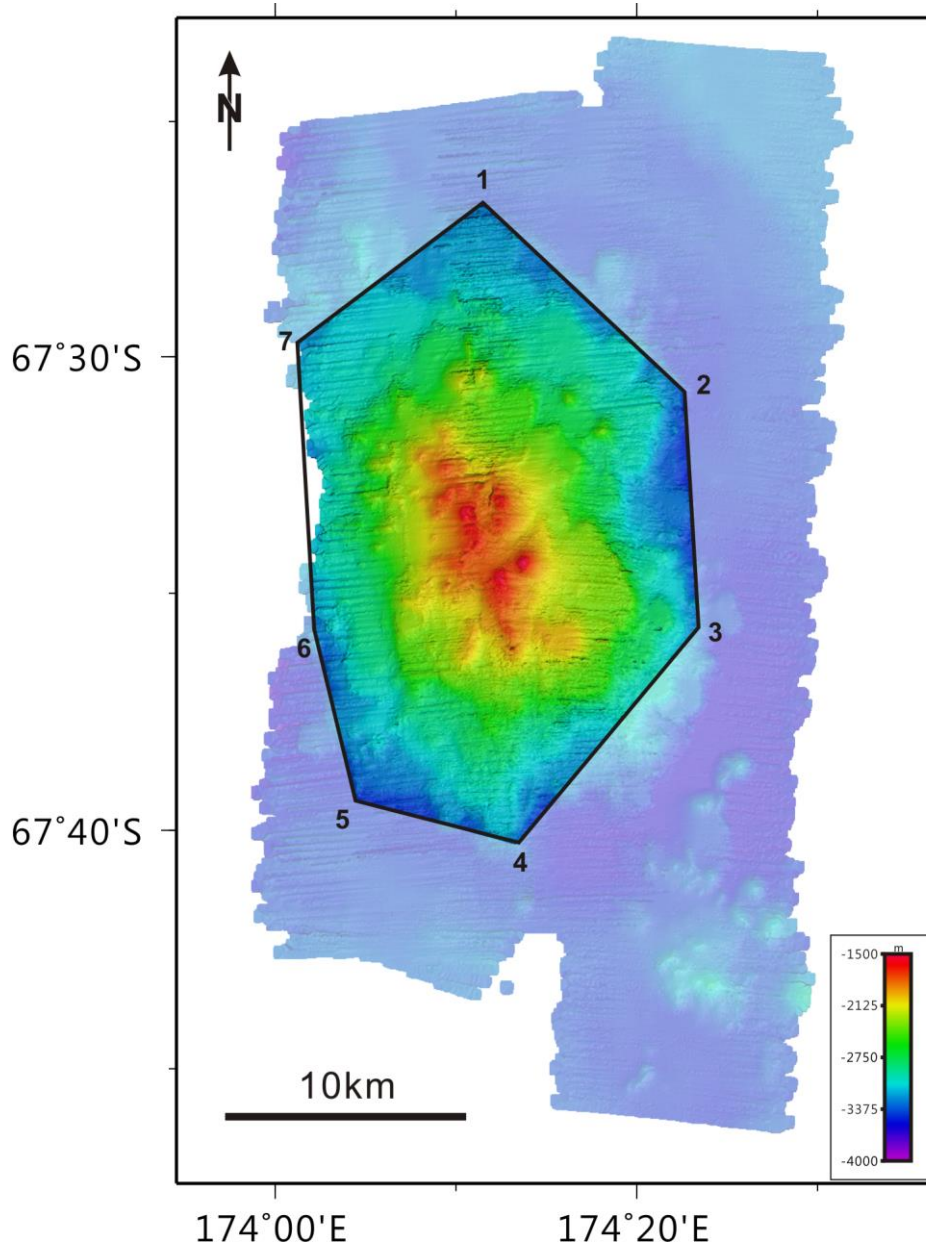
# Seorak Seamount



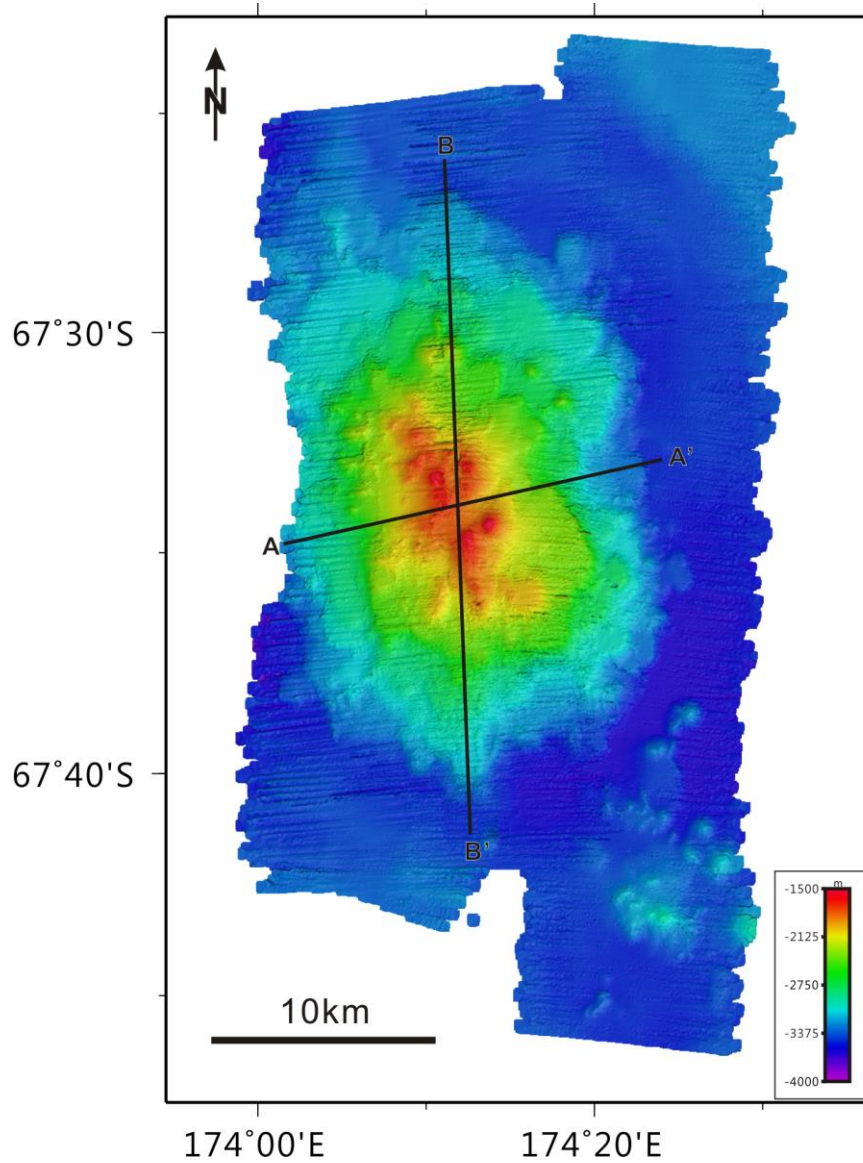
**Fig.1. Track line and swath in survey area**



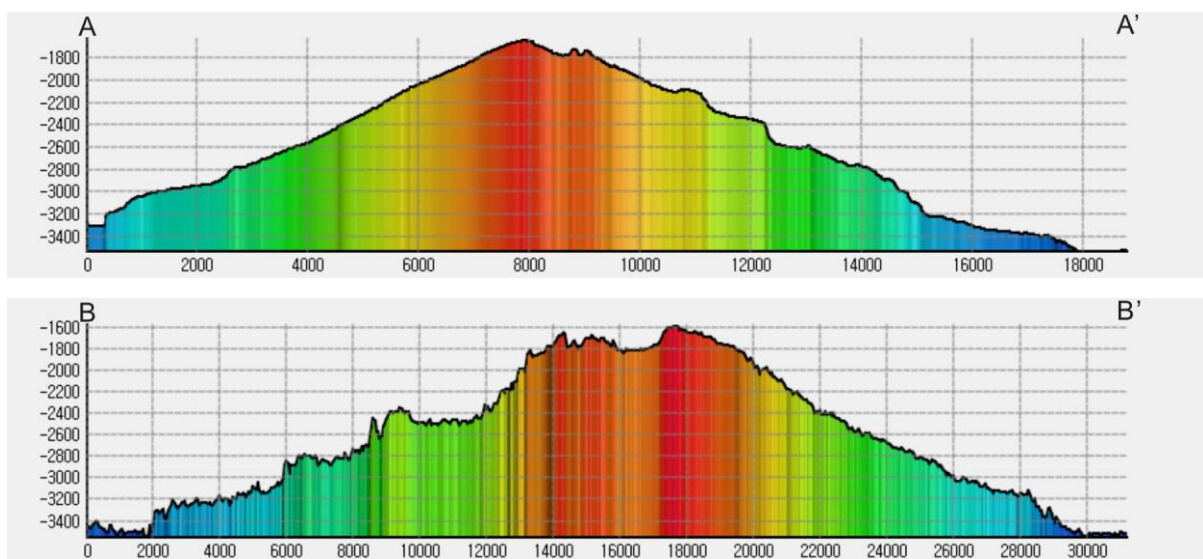
**Fig.2. 2-D Bathymetric contour map of Seorak Seamount**  
**Contour interval = 400 meters**



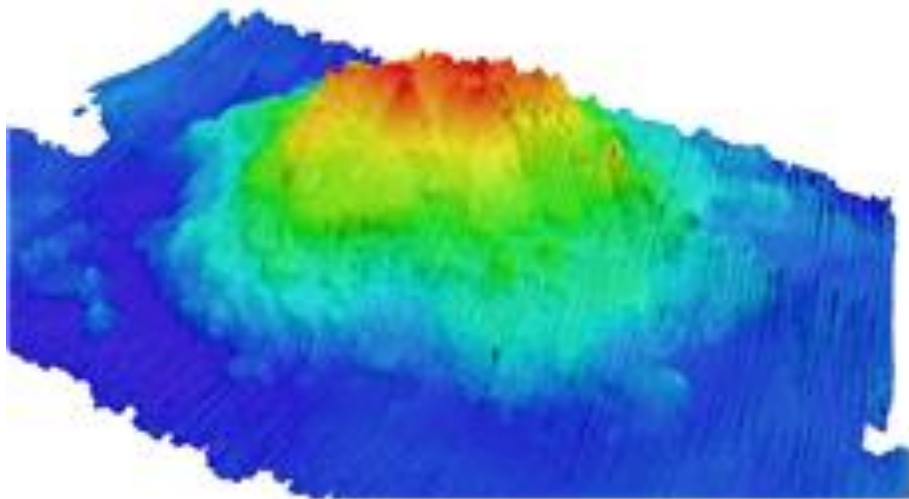
**Fig.3. Polygon boundary of Seorak Seamount**



**Fig.4. Locations of profiles across Seorak Seamount**



**Fig.4a. Profiles across Seorak Seamount**



**Fig.5. Side view of Seorak Seamount**



**Fig.6. View of Seorak Mountain ridge**