

**UNDERSEA FEATURE NAME PROPOSAL**

(Sea NOTE overleaf)

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

<b>Name Proposed:</b>	<b>Ssangchotdae Hills</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>Centre Point Coordinates:</b>	<b>67°59.54'S</b> <b>67°59.51'S</b>	<b>178°48.56'W</b> <b>178°46.04'W</b>
<b>Polygon Coordinates:</b>	<b>67°59.33'S</b> <b>67°59.35'S</b> <b>67°59.52'S</b> <b>67°59.69'S</b> <b>67°59.71'S</b> <b>67°59.46'S</b>  <b>67°59.27'S</b> <b>67°59.45'S</b> <b>67°59.63'S</b> <b>67°59.74'S</b> <b>67°59.43'S</b>	<b>178°48.67'W</b> <b>178°48.23'W</b> <b>178°47.99'W</b> <b>178°48.15'W</b> <b>178°48.78'W</b> <b>178°49.10'W</b>  <b>178°45.93'W</b> <b>178°45.62'W</b> <b>178°45.74'W</b> <b>178°46.28'W</b> <b>178°46.55'W</b>

<b>Feature Description:</b>	Maximum Depth:	<b>3,100 m</b>	Steepness :	<b>15 ~ 25 °</b>
	Minimum Depth :	<b>2,900 m</b>	Shape(s) :	<b>Conical</b>
	Total Relief :	<b>~200 m (each hill)</b>	Dimension/Size :	<b>3,200m x 1,800m</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>Ssangchotdae is the Korean word for "a pair of candlesticks." The shape of the hills is similar to that of "Ssangchotdae."</b>
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<b>Discovery Facts:</b>	Discovery Date:	<b>2011-01-31</b>
	Discoverer (Individual, Ship):	<b>Icebreaker-RV ARAON</b>

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	<b>2011-01-31</b>
	Survey Ship:	<b>Icebreaker-RV ARAON</b>
	Sounding Equipment:	<b>Simrad EM122</b>
	Type of Navigation:	<b>Seapath 200 RTK</b>
	Estimated Horizontal Accuracy (nm):	<b>5 m*</b>

Survey Track Spacing:	<b>None</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>July 7, 2016</b>
	E-mail:	<b>infokhoa@korea.kr</b>
	Organization and Address:	<b>351, Haeyang-ro, Yeongdo-gu, Busan, Republic of Korea</b>
	Concurren (name, e-mail, organization and address):	

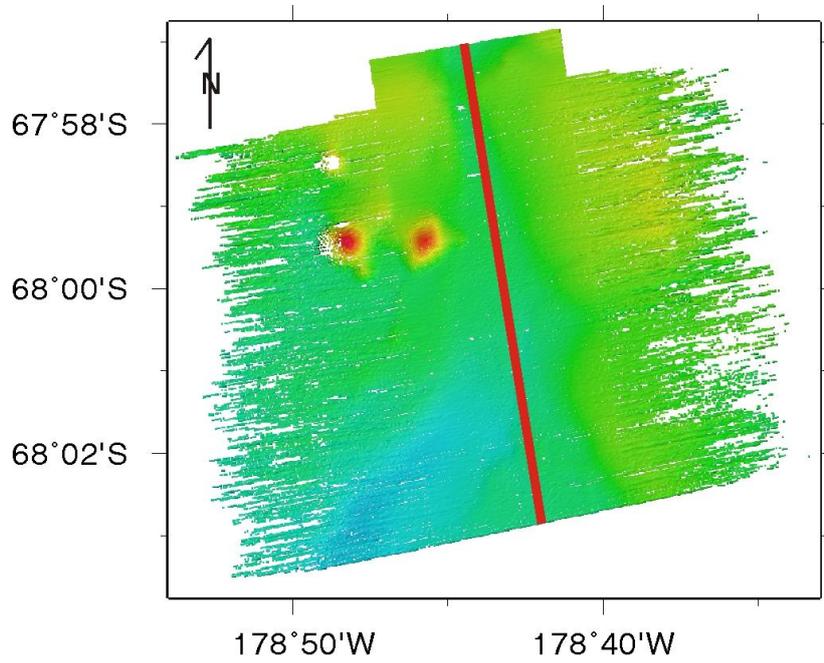
<b>Remarks:</b>	
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**NOTE :** This form should be forwarded, when completed :

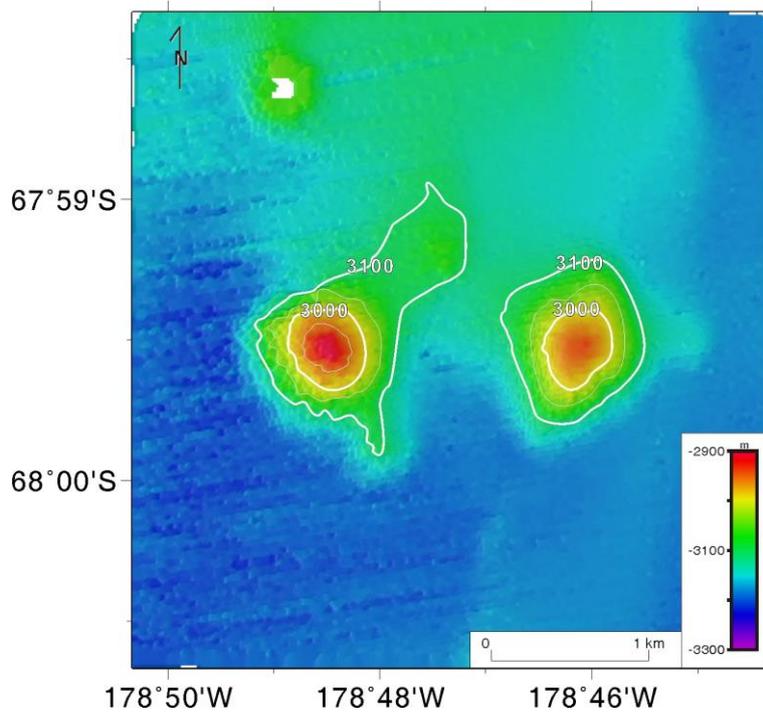
- a) **If the undersea feature is located inside the external limit of the territorial sea :-**  
to your "National Authority for Approval of Undersea Feature Names" (see page 2-9) or, if this does not exist or is not known, either to the IHB or to the IOC (see addresses below);
- b) **If at least 50 % 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: <a href="mailto:info@ihb.mc">info@ihb.mc</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS <u>France</u> Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a>
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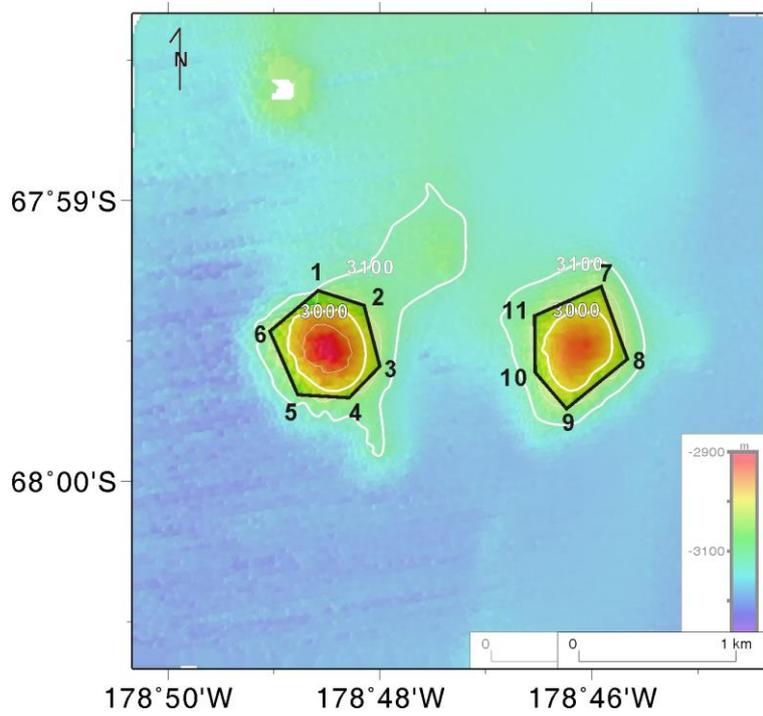
# Ssangchotdae Hills



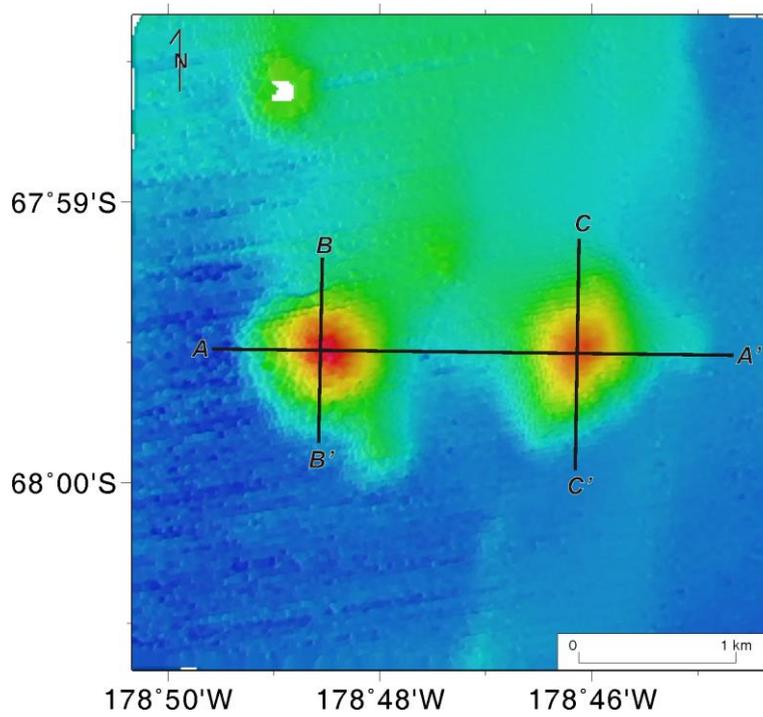
**Fig.1. Track line and swath of survey area.**



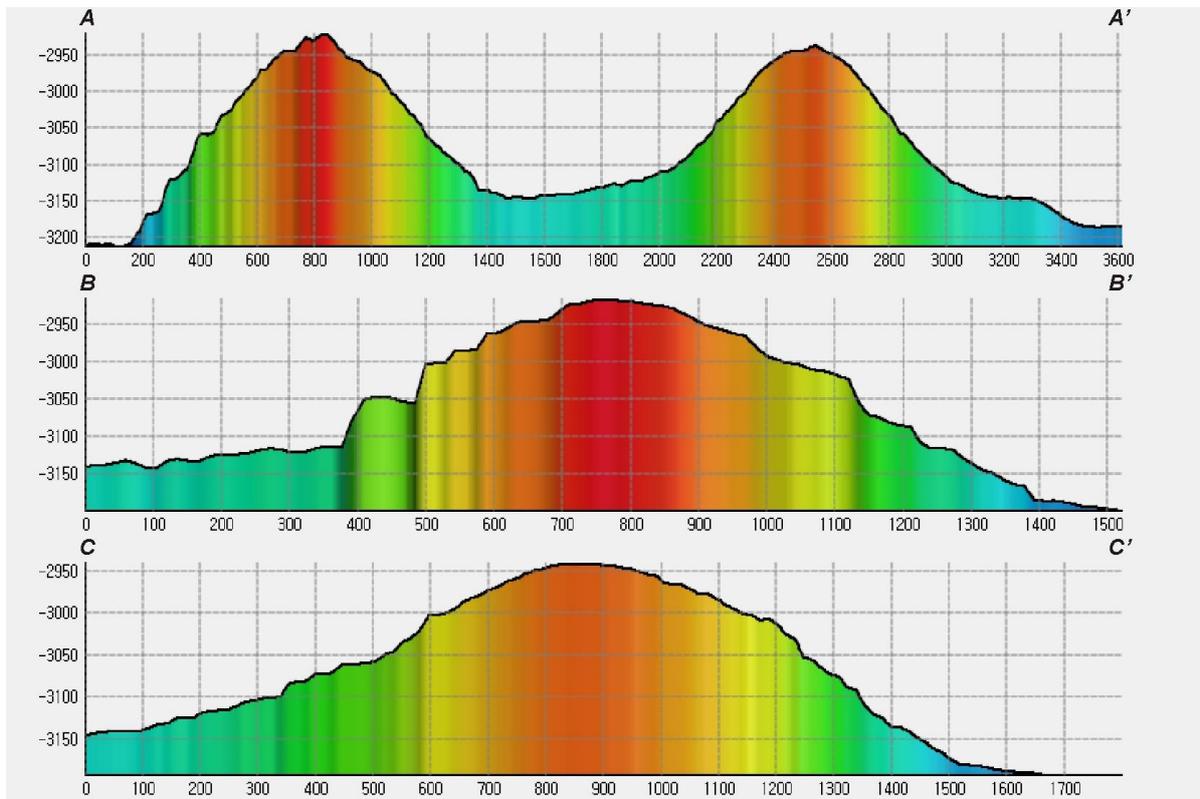
**Fig.2. 2-D Bathymetric contour map of Ssangchotdae Hills**



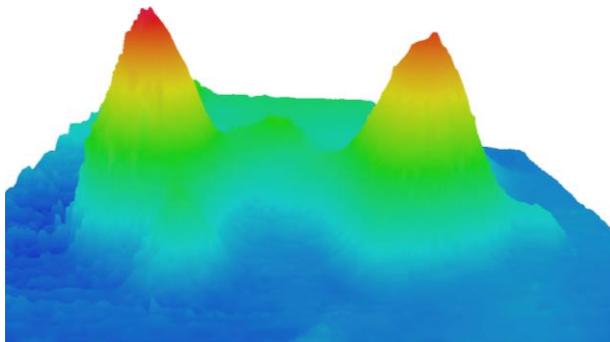
**Fig.3. Individual polygon boundaries of Ssangchotdae Hills**



**Fig.4. Location of profiles across Ssangchotdae Hills**



**Fig.4a. Profiles across Ssangchotdae Hills**



**Fig.5. Side view of Ssangchotdae Hills**



**Fig.6. Ssangchotdae  
(Korean word for a pair of candlesticks)**