

ADVISORY COMMITTEE ON ANTARCTIC NAMES U.S. BOARD ON GEOGRAPHIC NAMES ANTARCTIC PLACENAME PROPOSAL		ACAN USE ONLY	
		MODIFIED	APPROVED
		TO BGN	NOT APPROVED
DESCRIPTIVE DATA (please use metric units where practical)			
NAME PROPOSAL OR REVISION <p style="text-align: center;">Jeon Jaegyu</p>		KIND OF FEATURE <p style="text-align: center;">a submarine volcano</p>	
LATITUDE <p style="text-align: center;">63° 30' S</p>	LONGITUDE <p style="text-align: center;">56° 26.5' W</p>	DISTANCE AND DIRECTION TO NEARBY EXISTING FEATURE The volcano is 5.5 n miles NW of Rosamel Island in Antarctic Sound.	
FEATURE CHARACTERISTICS (SIZE, SHAPE, LENGTH, HEIGHT, ETC.) <p>The volcano is an elongate feature with a NW to SE orientation. Its symmetric form is of an elliptical cone, rather than a circular cone, and the contours reach 200 m below sea level, thus the volcanic feature stands about 700 m above the seafloor of Antarctic Sound. Its long dimension is 6 km with a width of 4 km.</p>			
MAP REFERENCE (MAP TITLE, SHEET NUMBER, ETC.) feature can be located by lat and long on US DMA chart #29105		PHOTO REF. (VERTICAL, OBLIQUE, ETC.) only bottom video exists, on file at Hamilton College and British Antarctic Survey	
SUPPORTING DATA			
REASON FOR CHOICE <p>The volcano is a newly discovered feature of the seafloor of Antarctic Sound and based upon its form, thermal anomalies, and bottom video footage is believed to be active. It is thus a significant geographic feature and represents the first active volcanism reported from the region.</p>			
DATE DISCOVERED, SEEN, RECORDED, MAPPED, ETC. The volcanic feature was first mapped by swath bathymetry during USAP cruise NBP01-07, but was not sampled nor studied until the USAP cruise LMG04-03. Additional bathymetry was collected during USAP cruise NBP06-03			BY WHOM E. Domack served as chief scientist and M. Terminal was the ship's master
PERSONAL INFORMATION (IF AN HONOREE) Mr Jeon Jaegyu was a young scientist serving at King Sejong Station with the Korean Antarctic Program during the 2003 field season. He participated in a rescue attempt for an overturned boat in Maxwell Bay, was himself thrown into the sea by heavy seas, and succumbed to hypothermia while making his way along the shore toward Marsh Base.			
EXPEDITION OR FIELD PARTY Information about this feature was obtained during USAP cruise NBP01-07, LMG04-03, and NBO06-03.			
LIST OF ATTACHMENTS (SURVEYS, CHARTS, PHOTOS, LETTERS, OTHER) We include a chart of the feature and an oblique swath bathymetry view.			
PROPOSAL SUBMITTED BY:			
NAME, TITLE, ADDRESS Eugene Domack Professor of Geosciences Hamilton College 198 College Hill Road Clinton New York 13323		PHONE 315 859-4711	E-MAIL edomack@hamilton.edu
		FAX 315 859-4807	DATE SUBMITTED June 12, 2006
SEND FORM TO:	SECRETARY, ADVISORY COMMITTEE ON ANTARCTIC NAMES UNITED STATES BOARD ON GEOGRAPHIC NAMES U.S. GEOLOGICAL SURVEY 523 NATIONAL CENTER RESTON, VIRGINIA 22092		DATE RECEIVED