

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

Ocean or Sea Ross Sea Name proposed East Adare RidgeCoordinates : **A** - of midpoint or summit : Lat. _____, Long. _____

_____ kilometres in _____ direction from _____

and/or **B** - extremities (if linear feature) :

Lat. <u>69.33S</u>	}	to	{	Lat. <u>70.85S</u>
Long. <u>172.25E</u>				Long. <u>173.4E</u>

Description (kind of feature) : _____ ridge (rift margin) _____

Identifying or categorizing characteristics (shape, dimensions, total relief, least depth, steepness, etc.):

Asymmetric ridge about 180 km long trending NNW–SSE with a very steep western margin (30 degrees) and gently dipping eastern margin (1.3 degrees). Minimum depth is 1400 m.

Associated features : _____ Adare Trough, Adare Ridge _____

Chart reference :

Shown with name on chart No.

Shown but not named on chart No.

Ref Davey, F.J, 2004, Ross Sea Bathymetry, 1:2,000,000. version 1.0. Institute of Geological and nuclear Sciences Geophysical map 16. Institute of Geological and Nuclear Sciences Ltd, Lower Hutt New Zealand

Not shown but within area covered by chart No. _____

Reason for choice of name (if a person, state how associated with the feature to be named) : _____

The eastern margin ridge of a distinct rift feature north of Cape Adare. Two parts of the rift have been named: the central low area has been named "Adare Trough" modified after proposal by Professor S Cande and the shallower western rift margin ridge named the "Adare Ridge" by SCUFN. As the three features are genetically related, East Adare Ridge is appropriate

Discovery facts :

Date 1968 by (individuals or ship) USNS Eltanin Cruise 32

By means of (equipment) : _____ 12 KHz transducer _____

Navigation used : _____ Sat Nav _____

Estimated positional accuracy in nautical miles : _____ < 0.1 _____

Description of survey (track spacing, line crossing, grid network, etc.) : _____ Many individual surveys, particularly by USNS Eltanin and R/VIB NB Palmer. See Davey 2004 _____

Nature and repository of other survey activities (dredge samples, cores, magnetics, gravity, photographs, etc.) : _____ seismics data, cores, gravity and magnetics, mainly at Scripps Institute of Oceanography, LDEO and NGDC _____

Supporting material : enclose, if possible, a sketch map of the survey area, profiles of the features, etc., with reference to prior publication, if any : _____ Davey 2004, already forwarded _____

Submitted by : _____ F J Davey _____

Date : _____ 14 May 2008 _____

Address : _____ Institute of Geological and Nuclear Sciences, P O Box 30 368, Lower Hutt, New Zealand _____

Concurred in by (if applicable) : _____

Address : _____

National Authority (if any) : _____

Address : _____

NOTE : This form should be forwarded, when completed :

- a) **If the undersea feature is located in territorial waters** :-
to your "National Authority for Approval of Undersea Feature Names" or, if this does not exist or is not known, either to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission (see addresses below);
- b) **If the undersea feature is located in international waters** :-
to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission, at the following addresses :

International Hydrographic Bureau
4, quai Antoine 1^{er}
B.P. 445
MC 98011 MONACO CEDEX
Principality of MONACO
Fax: +377 93 10 81 40
E-mail: pac@ihb.mc

Intergovernmental Oceanographic Commission
UNESCO
Place de Fontenoy
75700 PARIS
FRANCE
Fax: +33 1 45 68 58 12
E-mail : info@unesco.org