

UNDERSEA FEATURE NAME PROPOSAL
(See IHO-IOC Publication B-6 and **NOTE** overleaf)

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

Name Proposed:	Graveyard Knolls	Ocean or Sea:	South Pacific Ocean
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Geometry that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
		X				

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

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
Coordinates:	-42.75 (centre)	-179.983333 (centre)
	-42.582365	-180
	-42.611964	-179.902035
	-42.720512	-179.641195
	-42.818961	-179.677413
	-42.841374	-179.843556
	-42.859715	-180
	-42.582365	-180
	-42.859715	-180
	-42.865347	179.951958
	-42.757899	179.872571
	-42.580199	179.928656
	-42.580894	179.99513
	-42.582365	180
-42.859715	180	

Feature Description:	Maximum Depth:	2000 metres	Steepness :	
	Minimum Depth :	758 metres	Shape :	
	Total Relief :	1242 metres	Dimension/Size :	25 x 32 km

Associated Features:	
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Chart/Map References:	Shown Named on Map/Chart:	Chatham Rise Bathymetry©, Mackay et al, 2005
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	Chart NZ 14065 (INT 65) Chart NZ 14600 (INT 600)

Reason for Choice of Name (if a person, state how associated with the feature to be named):	The feature is a cluster of volcanic knolls and hills located on Chatham Rise, approximately 270 km northwest of Chatham Islands. The area is rich in fish species, and is a graveyard of fishing nets.
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Discovery Facts:	Discovery Date:	1992
	Discoverer (Individual, Ship):	New Zealand fishing industry vessels

Supporting Survey Data, including	Date of Survey:	1993-2004
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Track Controls:	Survey Ship:	RV L'Atalante (1993) RV Sonne (2002-2003) RV Tangaroa (1998-2017)
	Sounding Equipment:	Multibeam echosounder Kongsberg EM300 (mapped in 2002). Multibeam echosounder Kongsberg EM302 (mapped in 2015).
	Type of Navigation:	GPS
	Estimated Horizontal Accuracy, in nautical miles (M):	0.005 M
	Survey Track Spacing:	100 m (100% ensonification of the seafloor)
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Mr Mark Dyer (Chairperson of the NZGB) & Mr Adam Greenland (National Hydrographer)
	Date:	3 August 2018
	E-mail:	agreenland@linz.govt.nz
	Organization and Address:	New Zealand Geographic Board PO Box 5501 Wellington 6145 New Zealand
	Concurrer (name, e-mail, organization and address):	Dr Vaughan Stagpoole V.Stagpoole@gns.cri.nz GNS Science PO Box 30 368 Lower Hutt 5040 New Zealand

Remarks:	Informally named Graveyard Seamount Complex. The New Zealand Geographic Board gazetted Graveyard Knolls as an official undersea feature name on 28 May 2015.
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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 Publication B-6) or, if this does not exist or is not known, either to the IHO 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 IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4b, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@iho.int Web: www.iho.int	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org Web: http://ioc-unesco.org/
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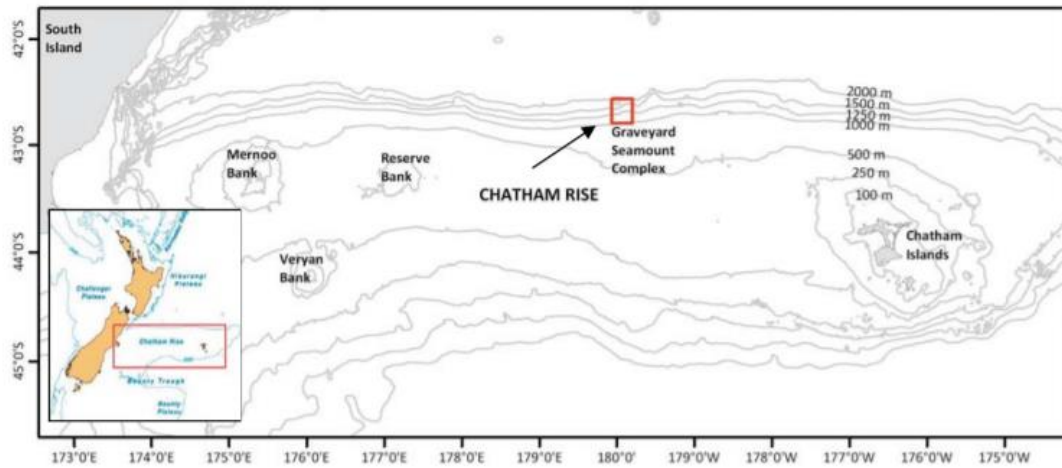
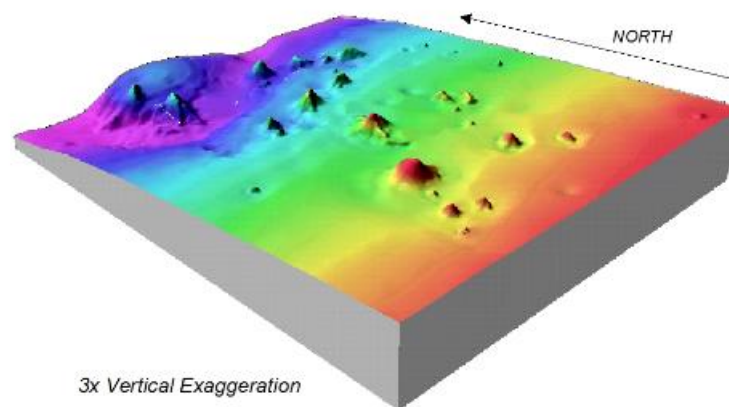
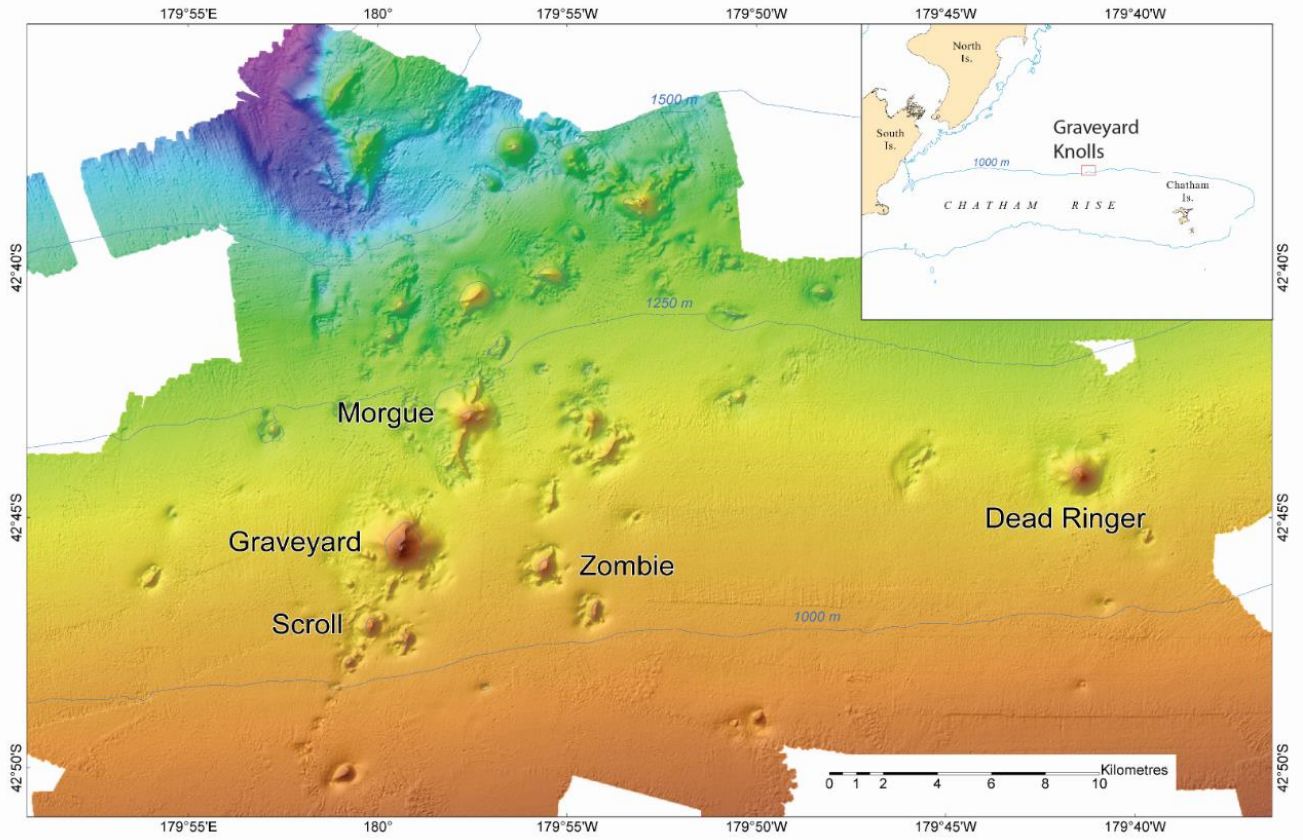


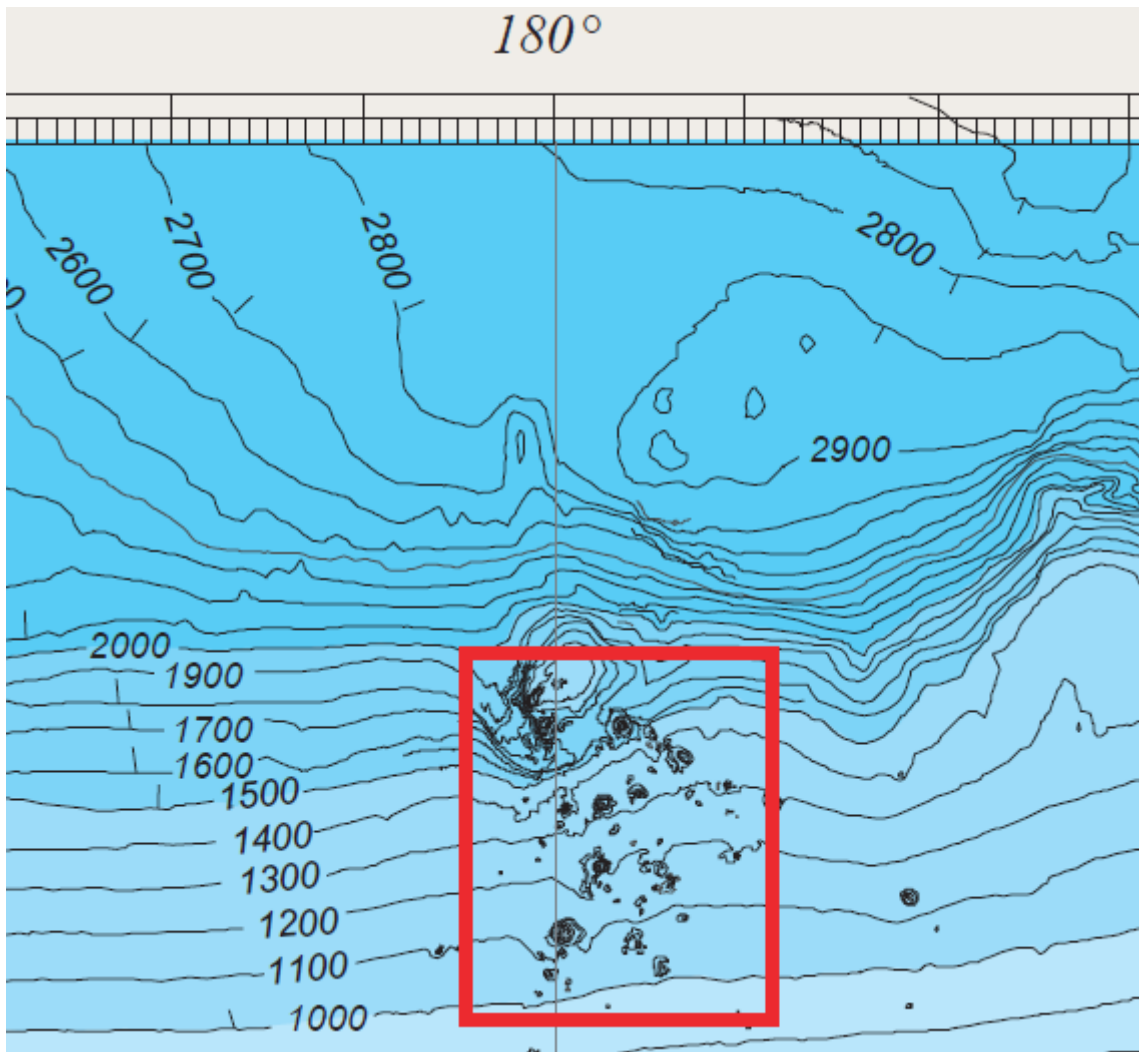
Figure 1: The Chatham Rise, showing the general location of the Graveyard seamounts (indicated by arrow).

Source: Clark, MR, Bowden, DA, Baird, SJ, Stewart, R (2010). [Effects of fishing on the benthic biodiversity of seamounts of the "Graveyard" complex, northern Chatham Rise](#). New Zealand Aquatic Environment and Biodiversity Report No. 46.

GRAVEYARD KNOLLS







Chatham Rise Bathymetry©, Mackay et al, 2005