

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

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| Name Proposed: | Taitimu / Caswell Ridge | Ocean or Sea: | Tasman Sea |
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| Geometry that best defines the feature (Yes/No) : | | | | | | |
| Point | Line | Polygon | Multiple points | Multiple lines* | Multiple polygons* | Combination of geometries* |
| | Yes | | | | | |

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

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| | Lat. (e.g. 63°32.6'N) | Long. (e.g. 046°21.3'W) |
| Coordinates: | Centre 44°48.20'S | Centre 166°21.15'E |

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| Feature Description: | Maximum Depth: | approx 3500 metres | Steepness : | |
| | Minimum Depth : | | Shape : | A large north-south trending, flat-topped, oblong ridge |
| | Total Relief : | | Dimension/Size : | 150 km x 25 km |

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| Associated Features: | The feature is a large north-south trending ridge that is the westward border of Fiordland Basin, to the southwest of New Zealand's South Island. It is a flat topped, oblong ridge, sub-parallel to the continental margin of Fiordland. Depth of the terrace and crest of the ridge is approximately 3500 metres. Associated with Caswell Sound. |
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| Chart/Map References: | Shown Named on Map/Chart: as | Resolution Chart© (van der Linden & Hayes, 1972) |
| | Caswell High (see attached insets) | Dusky Chart© (Mitchell & Garlick, 2001) |
| | Shown Unnamed on Map/Chart: | Chart NZ 7623 |
| | Within Area of Map/Chart: | Chart NZ 76 |

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| Reason for Choice of Name (if a person, state how associated with the feature to be named): | <ul style="list-style-type: none"> Altered by the NZ Geographic Board in May 2014 from the existing recorded name, Caswell High, to the official dual name, Taitimu / Caswell Ridge. Caswell High was depicted on Oceanic Bathymetry Series (OBS) chart 'Resolution' in 1972 and NZ Coastal Bathymetry Series (CBS) chart 'Dusky' in 2001. The Māori name of the associated feature, Caswell Sound, is Taitimu, /it. tai: tide; timu: to ebb. Caswell Sound was probably named after Captain George Caswell, RN, who was reportedly in charge of the naval survey at Caswell Sound in the late 1930s. The feature is a geomorphological ridge so the generic feature type |
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| | has been altered to 'Ridge'. |
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| Discovery Facts: | Discovery Date: | First appeared on Oceanic Bathymetry Series (OBS) chart 'Resolution' in 1972 |
| | Discoverer (Individual, Ship): | USNS <i>Eltanin</i> |

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| Supporting Survey Data, including Track Controls: | Date of Survey: | 1970 to present |
| | Survey Ship: | MV L'Atalante |
| | Sounding Equipment: | EM12Dual |
| | Type of Navigation: | GPS |
| | Estimated Horizontal Accuracy (nm): | 50 m |
| | Survey Track Spacing: | <ul style="list-style-type: none"> • Resolution Chart©: Numerous echo soundings • Dusky Chart©: Deep water multibeam bathymetry • Multibeam bathymetry coverage in 1993 by MV L'Atalante |
| Supporting material can be submitted as Annex in analog or digital form. | | |

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| Proposer(s): | Name(s): | Mr Mark Dyer (Chairperson of the NZGB) & Mr Adam Greenland (National Hydrographer) |
| | Date: | 9 May 2014 |
| | E-mail: | mdyer@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 |

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| Remarks: | The New Zealand Geographic Board gazetted Taitimu / Caswell Ridge as an official undersea feature name in May 2014. |
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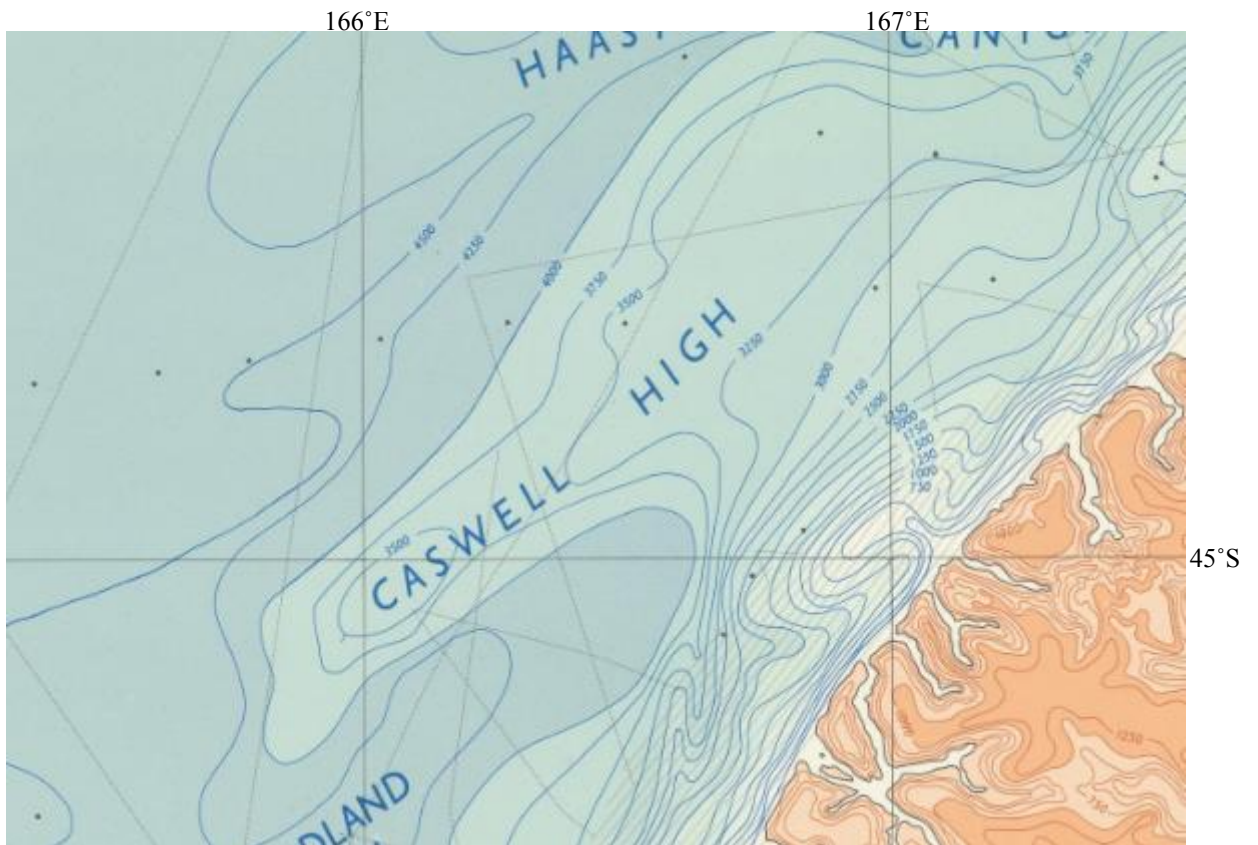
NOTE : This form should be forwarded, when completed:

- 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:

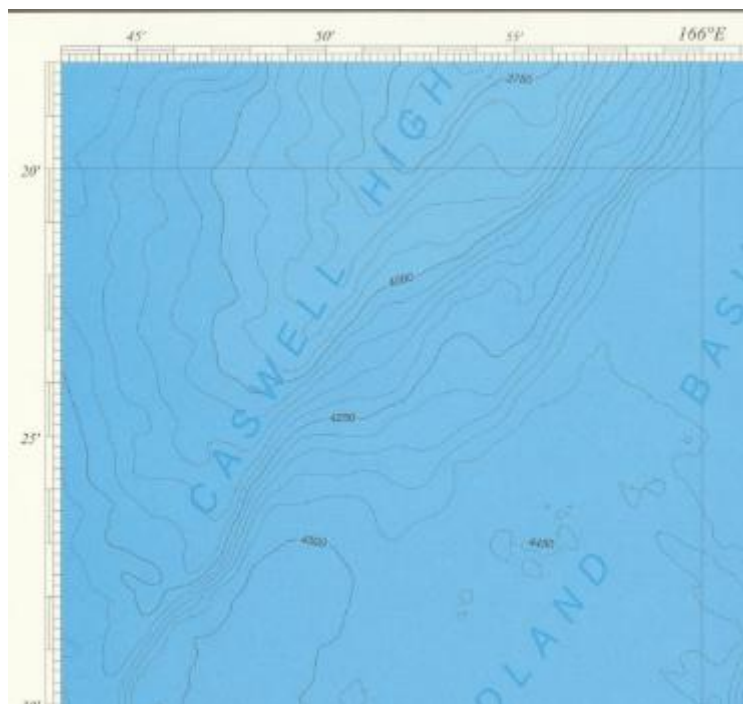
| | |
|---|--|
| International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO | Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France |
|---|--|

Fax: +377 93 10 81 40
E-mail: info@ihb.mc

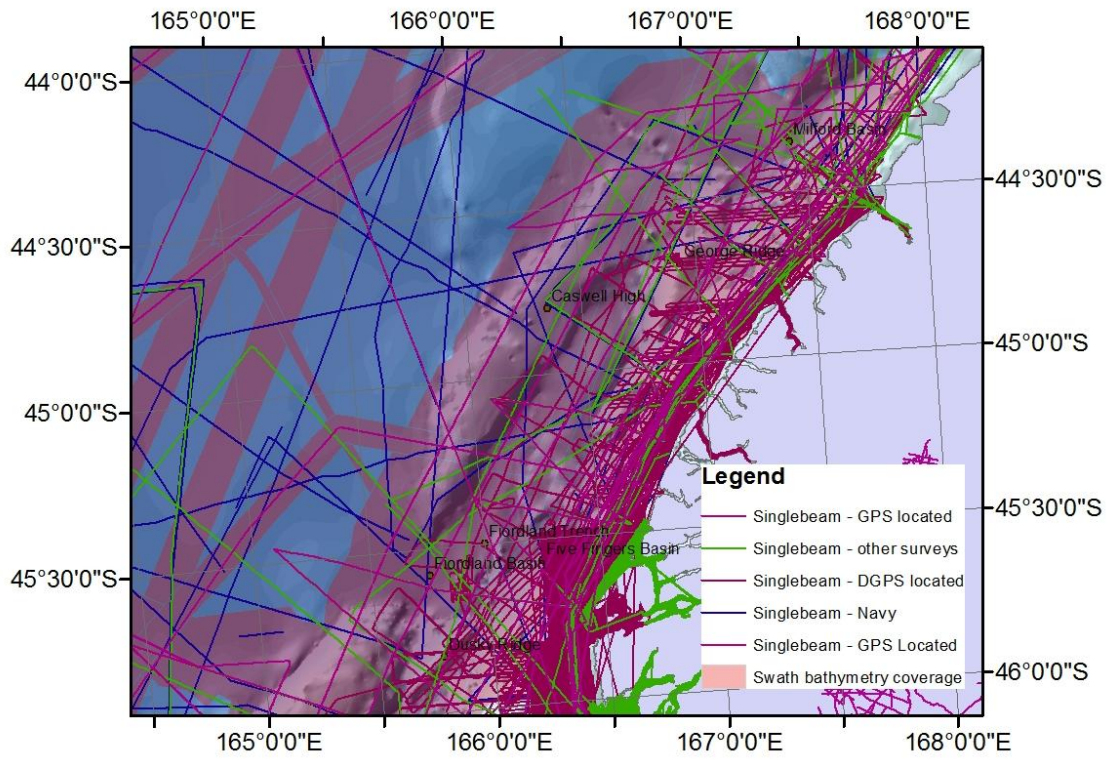
Fax: +33 1 45 68 58 12
E-mail: info@unesco.org



Resolution Chart© (van der Linden & Hayes, 1972)



Dusky Chart© (Mitchell & Garlick, 2001)



100% multibeam data converge (EM12Dual , RV L'Atalante, 1993)