

Article 76

Variations in annotation and implementation seen in submission documents for the claim of Extended Continental Shelf



Shin TANI



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United Nations Convention on the Law Of the Sea UNCLOS Law Of the Sea Treaty LOST

ABLOS

not AB-LOS





- abandon
- abase
- abash
- abattoir
- abduct
- aberrance
- abet
- abeyance
- abhor
- abide

ABLOS

- abject
- abjure
- ablation
- abnormal
- abolish
- abomb
- abominate
- abort
- abrade





- abrogate
- abrupt
- abscess
- abscond
- absence
- absurd
- abuse
- abusive
- abysmal





United Nations Convention on the Law Of the Sea UNCLOS Law Of the Sea Treaty LOST

ABLOS not AB-LOS IHO/IAG Advisory Board on the Law Of the Sea









To provide advice, guidance and, where applicable, offer expert interpretation of the technical aspects of the Law of the Sea to the parent Organizations, their Member States or to other organizations on request.







UNCLOS

a very technical convention

chart	12 art.	20 times	Hydrogr
distance	10 art.	14 times	Geodesy
nautical mile	11 art.	11 times	Geodesy
coordinate	3 art.	6 times	Geodesy
low tide elevation	2 art.	6 times	Hydrogr
low water line	4 art.	5 times	Hydrogr
low water mark	1 art.	5 times	Hydrogr
metre	3 art.	4 times	Geodesy
ratio of water & land	1 art.	2 times	Geodesy
median line	1 art.	1 time	Geodesy



Technical terms in Article 76 only

- natural prolongation, subscil, language
 thickness of sedimentary locks, natural components of the continental margin
 - geodetic data, distance of 200 nautical miles, 350 nautical miles 100 nautical miles, coordinates of leakage and longitude
- continental shelf, seabed, continental margin, shelf, slope, rise, deep ocean foor, plateaux, cap, bank, spur, oceanic ridges, butarine ridges, submarine plateaupos, 2,300 metre isobath, foot of the continental slope, maximum change in the gradient









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Annex II to the UNCLOS

The Commission may cooperate, to the extent considered necessary and useful, with the Intergovernmental Oceanographic Commission of UNESCO, the International Hydrographic Organization and other competent international organizations with a view to exchanging scientific and technical information which might be of assistance in discharging the Commission's responsibilities.









To review State practice and jurisprudence on Law of the Sea matters which are relevant to the work of ABLOS so as to be in a position to provide expert advice when needed.



. . .

Rights of the coastal State over its continental shelf

The coastal State exercises over the continental shelf sovereign rights for the purpose of exploring it and exploiting its natural resources. The rights referred to in paragraph 1 are exclusive

...

The natural resources referred to in this Part consist of the mineral and other non-living resources of the seabed and subsoil together with living organisms belonging to sedentary species







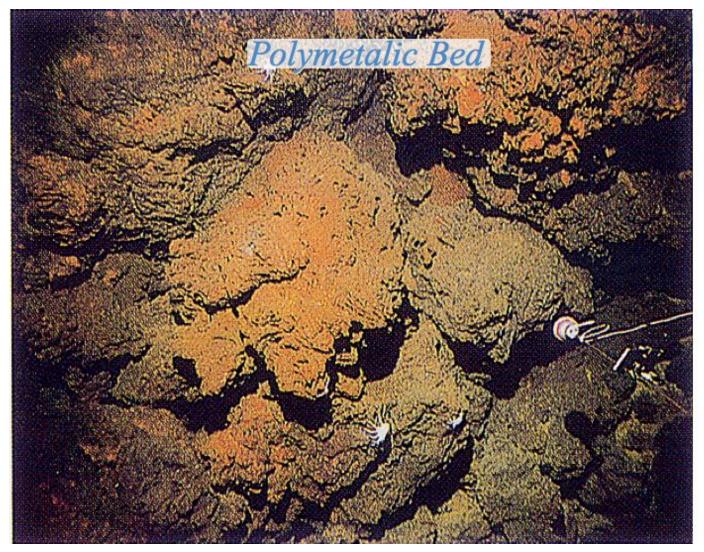






Provided by: Japan Oil, Gas and Metals National Corporation (JOGMEC)





Provided by: Japan Oil, Gas and Metals National Corporation (JOGMEC)







Provided by the Research Consortium for Methane Hydrate Resources in Japan (the MH21 Research Consortium)





Vesicomyid clam



Source: Website of Japan Agency for Marine-Earth Science and Technology (JAMSTEC) http://www.jamstec.go.jp/e/index.html



The continental shelf of a coastal State

- comprises the seabed and subsoil of the submarine areas
- that extend beyond its territorial sea
- throughout the natural prolongation of its land territory
- to the outer edge of the continental margin



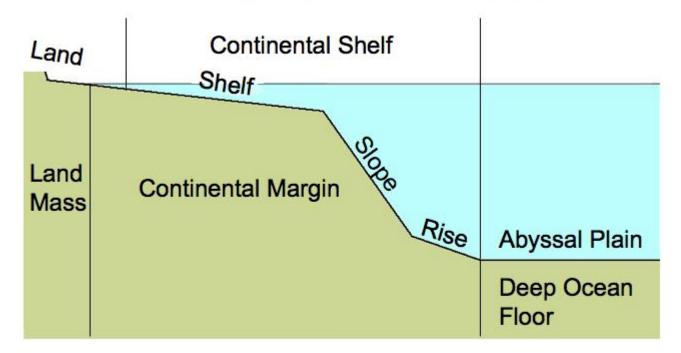
The continental margin

comprises the submerged prolongation of the land mass of the coastal State, and consists of the seabed and subsoil of the shelf, the slope and the rise. It does not include

the deep ocean floor with its oceanic ridges or the subsoil thereof.



Schematic Cross Section





Outer edge of the continental shelf

For the purposes of this Convention, the coastal State shall establish the outer edge of the continental margin

wherever the margin extends beyond 200 nautical miles from the baselines from which the breadth of the territorial sea is measured,

by either...



Formula Line (i)

a line delineated in accordance with paragraph 7 by reference to the outermost fixed points

at each of which the thickness of sedimentary rocks is at least 1 per cent of the shortest distance

from such point to the foot of the continental slope

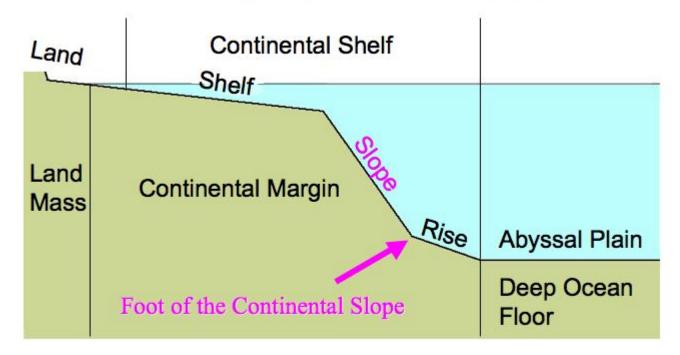


Foot of the Continental Slope

In the absence of evidence to the contrary, the foot of the continental slope shall be determined as the point of maximum change in the gradient at its base.



Schematic Cross Section



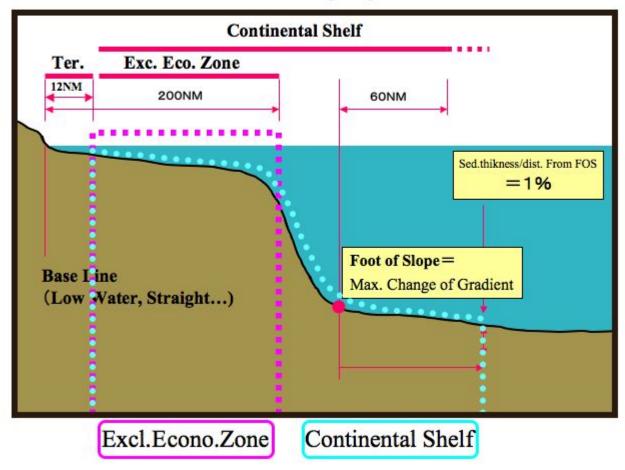


Formula Line (ii)

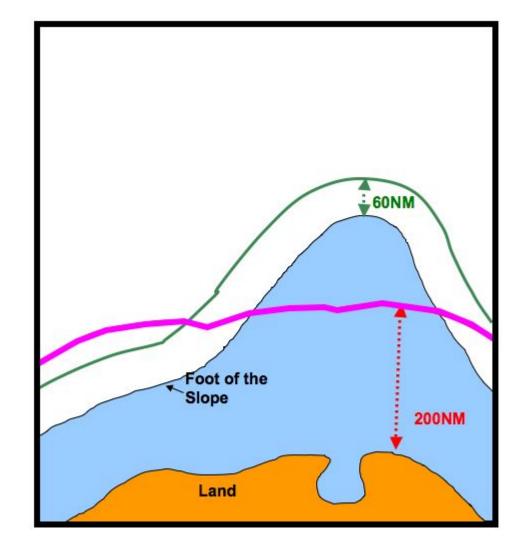
a line delineated in accordance with paragraph 7 by reference to fixed points not more than 60 nautical miles from the foot of the continental slope



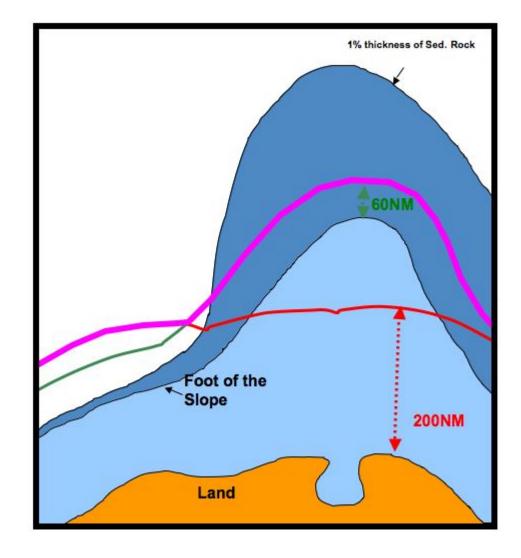
Continental Shelf by UNCLOS



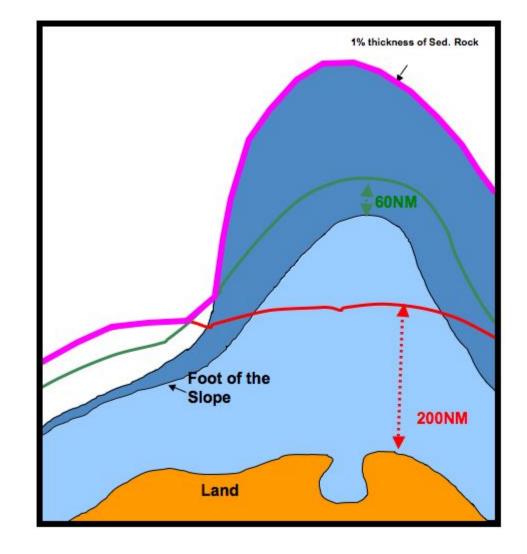






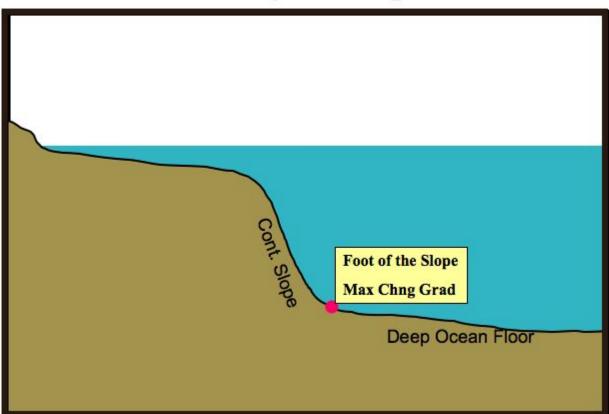




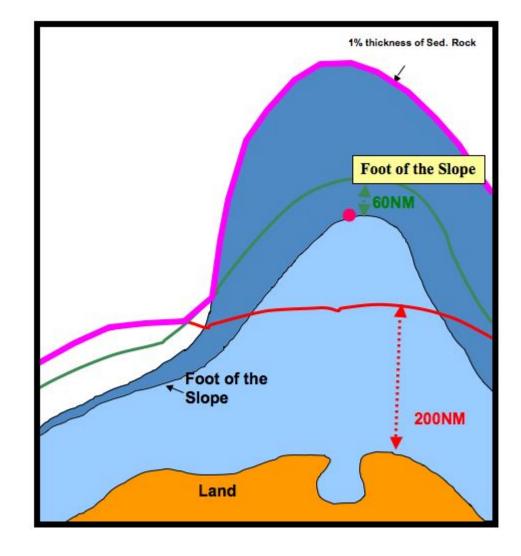




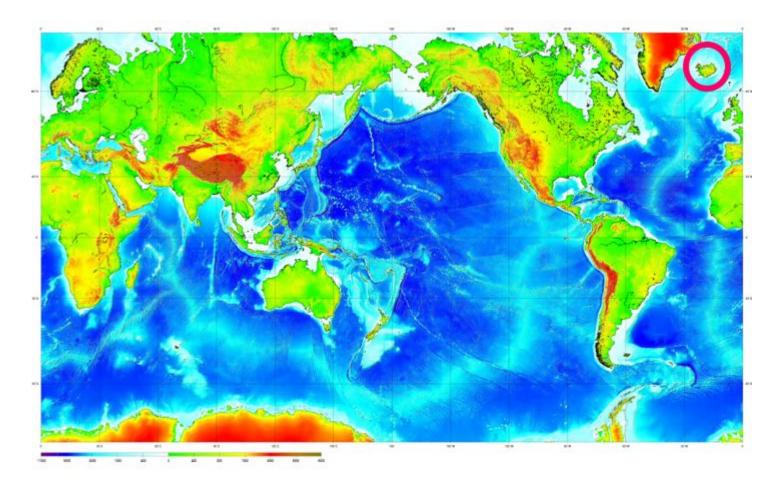
Foot of the Slope





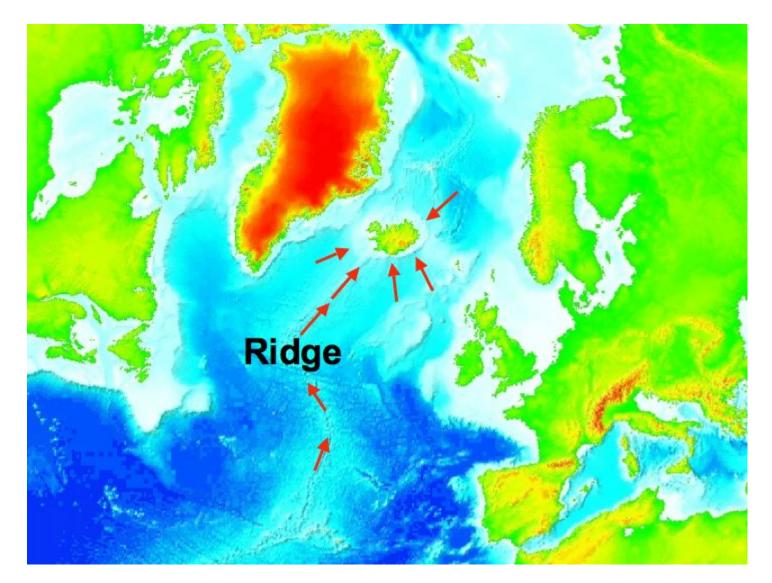




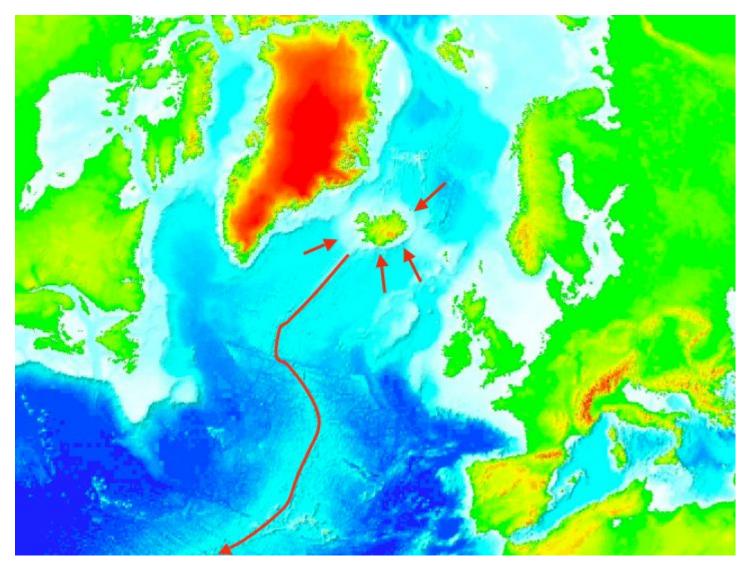


Source: Website of the United States National Geophysical Data Center (NGDC) http://www.ngdc.noaa.gov/ngdc.html



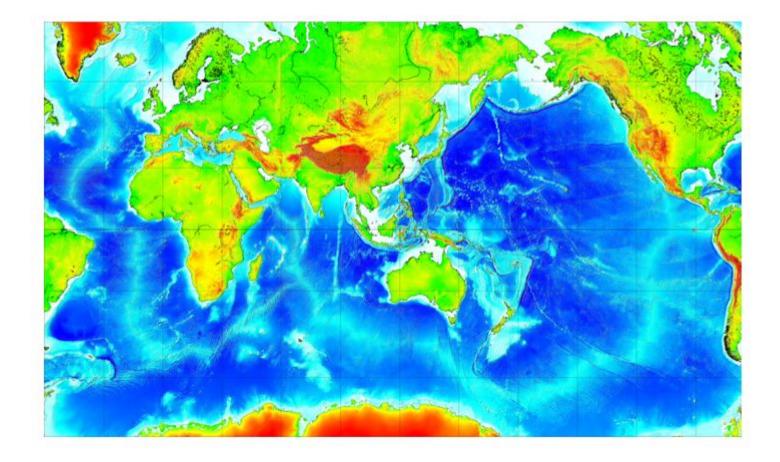






Source: Website of the United States National Geophysical Data Center (NGDC) http://www.ngdc.noaa.gov/ngdc.html





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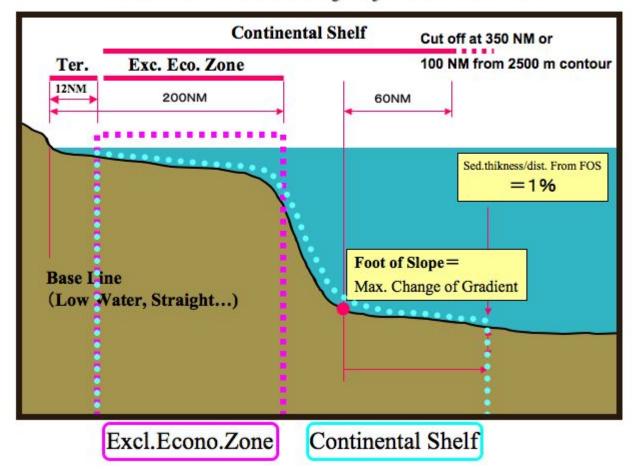
The fixed points

comprising the line of the outer limits of the continental shelf on the seabed, drawn in accordance with paragraph 4 (a)(i) and (ii), either

- shall not exceed 350 nautical miles from the baselines from which the breadth of the territorial sea is measured or
- shall not exceed 100 nautical miles from the
 2,500 metre isobath, which is a line connecting the depth of 2,500 metres.



Continental Shelf by UNCLOS



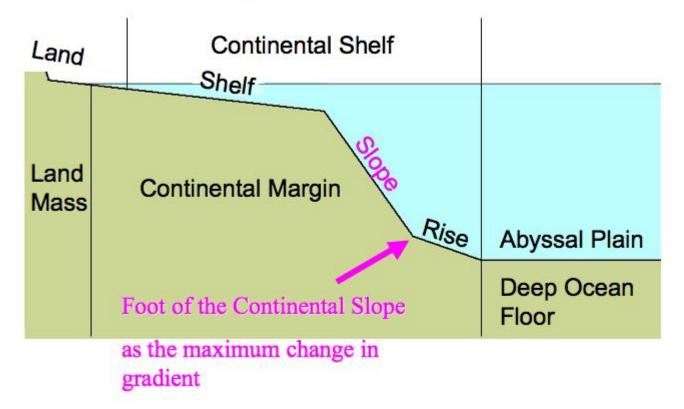


Foot of the Continental Slope

In the absence of evidence to the contrary, the foot of the continental slope shall be determined as the point of maximum change in the gradient at its base.

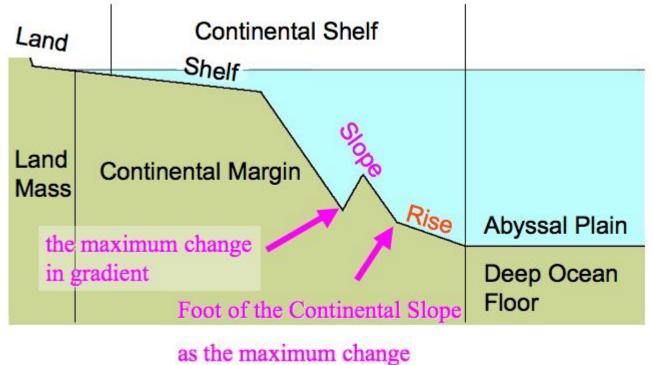


Schematic Cross Section





Possible Cross Section A

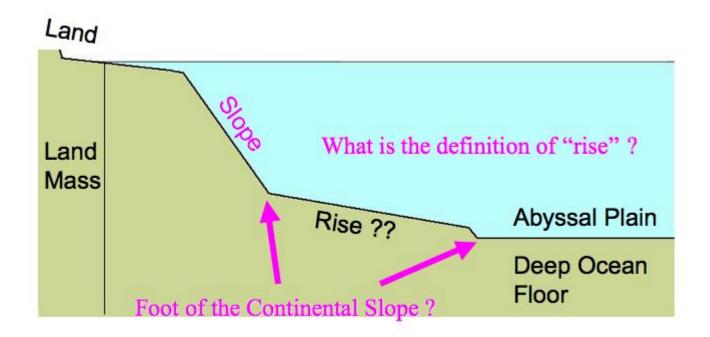


in gradient at its base





Possible Cross Section B





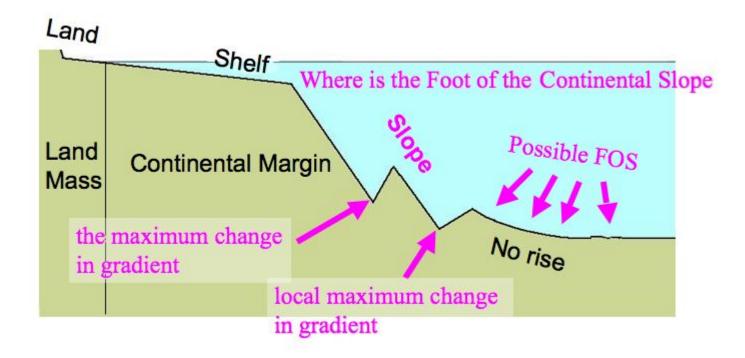
Continental Rise

A broad elevation that rises gently and generally smoothly from the sea floor. (IHO/IOC Standardization of Undersea Feature Names, GEBCO)



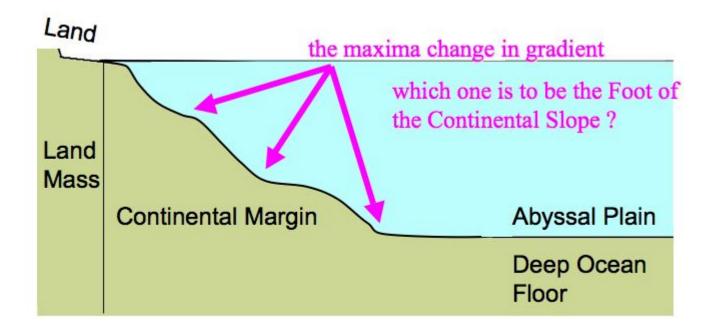


Possible Cross Section C

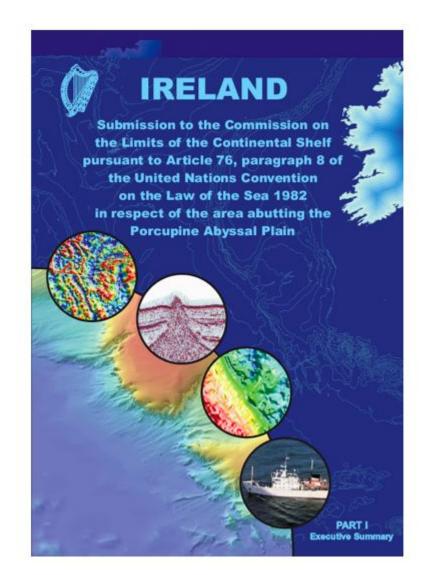




Possible Cross Section D

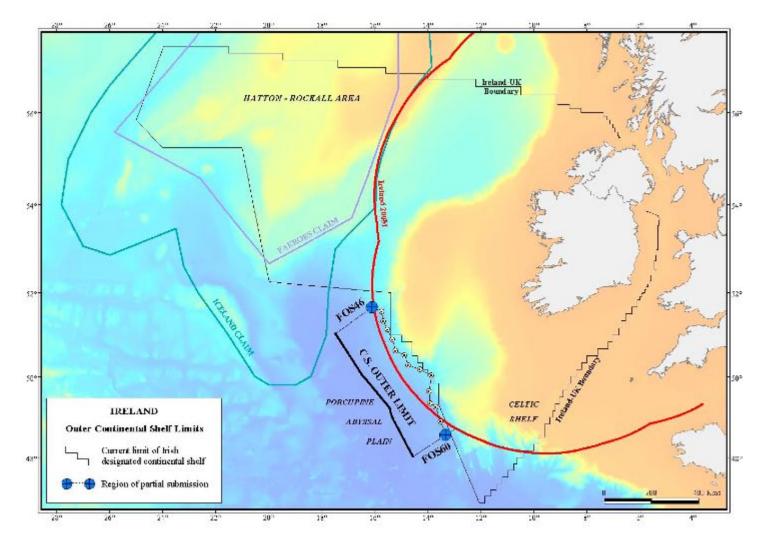






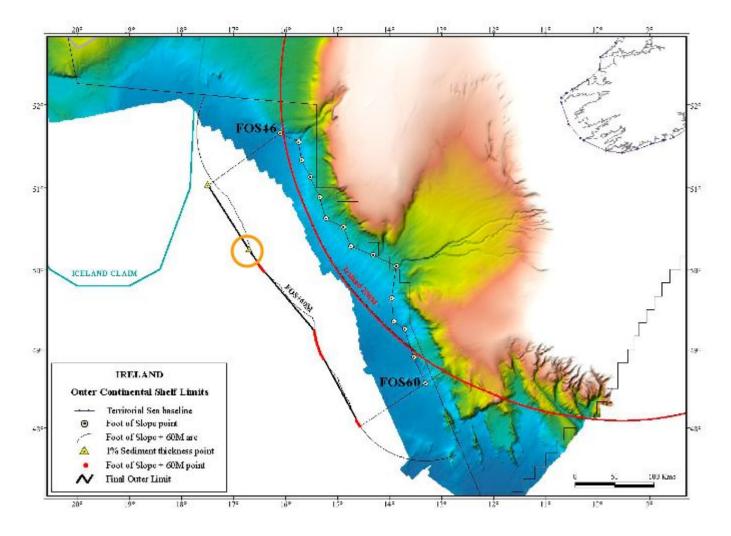
Front page of the Executive Summary of the the submission by Ireland It is available at the website of the Commission on the Limits of the Continental Shelf in the website of the Division for Ocean Affairs and the Law of the Sea (DOALOS), United Nations. http://www.un.org/Depts/los/clcs_new/submissions_files/submission_irl.htm





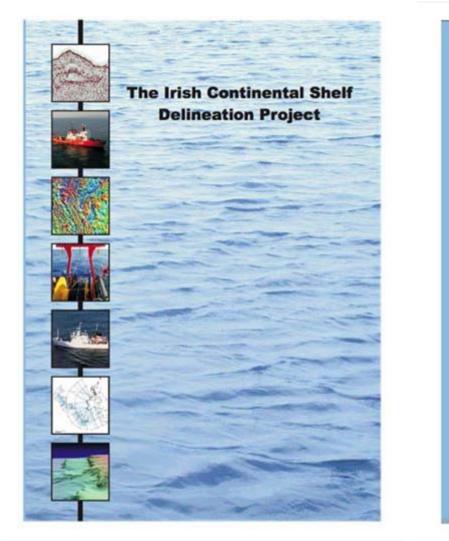
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Preparation of the Submission on the Limits of the Continental Shelf

The preparation of a submission to the CLOB by a costal Statistic-News the acquisition and analysis of considerable annuality of identific and technical data. These data are required to acquir the spotled formulae outlined in Archio RM of UNCLOB to learning the state redge of the continential margin gets below in this share for times data(a), shared teggs acquiring data for the express purpose of making its extended continential land is accessing the CLOB in 1996.

These data constitute of eighteen selenic polities (table incgrid-1220 km), accurate in 1055 and shot across the conferential margin to image the subsurbacegoology of the eight. This data has been used to integrin and to detormine the hickness of confirmatial margin and to detormine the hickness of adments at the outer parts of the confinential shot. Data collection continued in 1006 with a bathyseetic using the subscript with detortion is and amartine 200,000 km fwith weter depths ranging range 500 md own 1 4000 m. The data was used to map the 2500 m locate and to locate the foot of the confirmatial loge.

Technical experts at the PetitolaumAffairs Division of the Department of Communications, Marine and Natural Resources have been analysing bits datafor the past ten years and here used a range of modern analysical software and techniques to prepare instands submissions tothe-CUCS.



Selamic Line /A.D05-13

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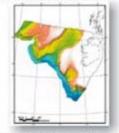
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Tracklines of the PAD 1995 setunic survey of the John continental margin



Tracklines for ballymetric surveys of the Jish continental shell. And lines: PAD 1996 survey. Blue lines: INSS (1999-2003)

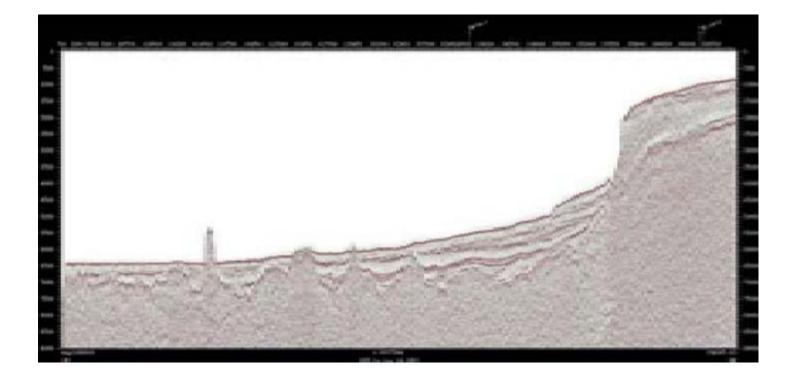


Shaded bathymetry based on the data collected during the FAD (1998) and INSS (1999-2003) surveys

From the brochure on the Irish Continental Shelf Delineation Project available at the following weibsite. http://www.dcmnr.gov.ie/NR/rdonlyres/50A67AD0-4594-44BE-AB2A-FD8D00CE34E4/0/CSDP Ireland.pdf

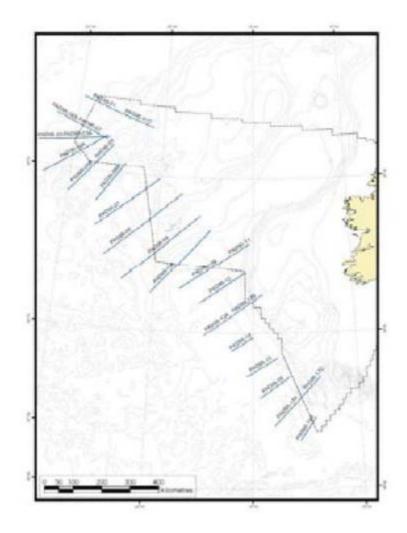






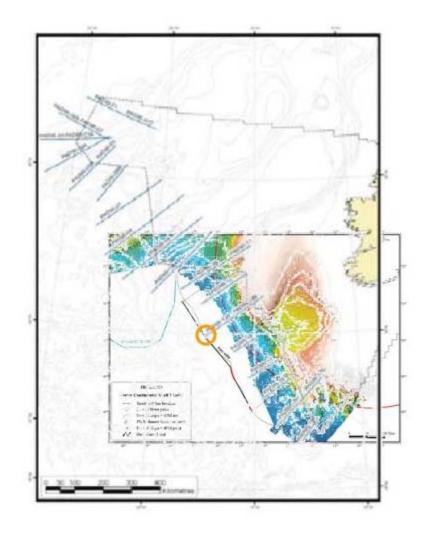
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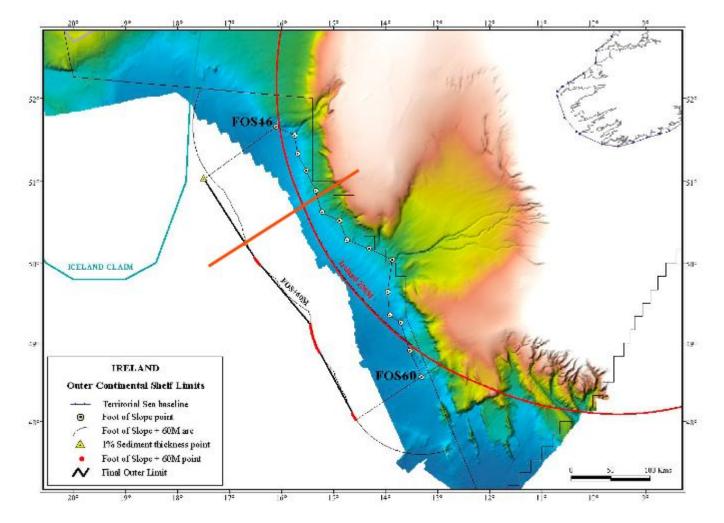
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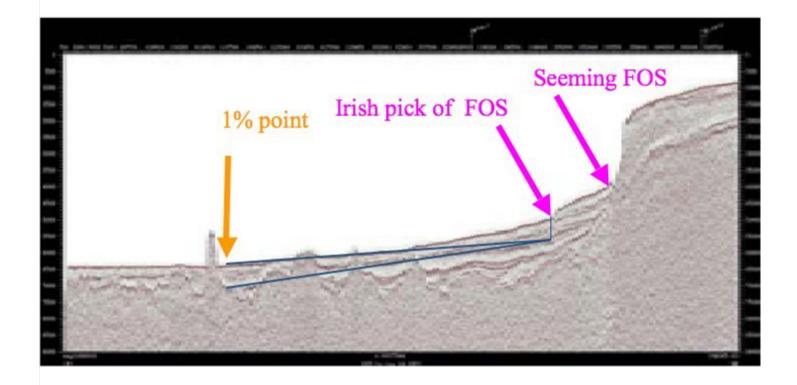
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From the brochure on the Irish Continental Shelf Delineation Project



The fixed points

comprising the line of the outer limits of the continental shelf on the seabed, drawn in accordance with paragraph 4 (a)(i) and (ii), either

- shall not exceed 350 nautical miles from the baselines from which the breadth of the territorial sea is measured or
- shall not exceed 100 nautical miles from the 2,500 metre isobath, which is a line connecting the depth of 2,500 metres.



Constraint Lines

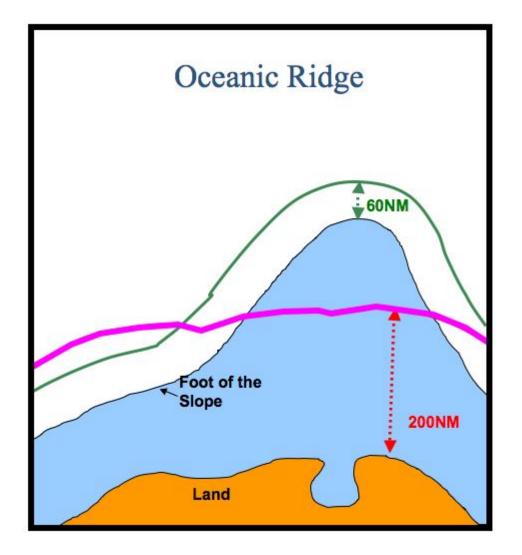
- on submarine ridges, the outer limit of the continental shelf shall not exceed 350 nautical miles from the territorial sea baseline.
- This paragraph does not apply to submarine elevations that are natural components of the continental margin, such as its plateaux, rises, caps, banks and spurs.



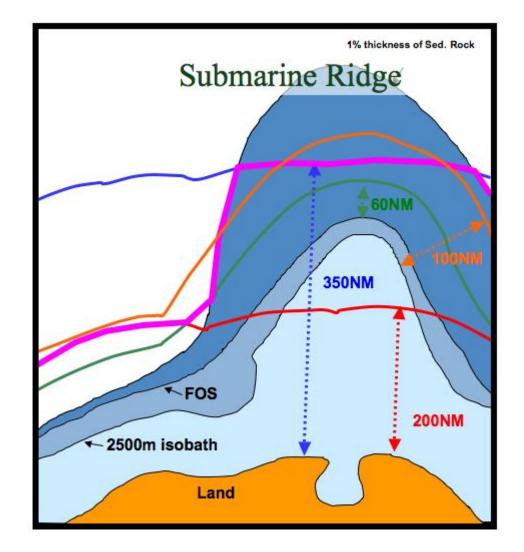
The continental margin

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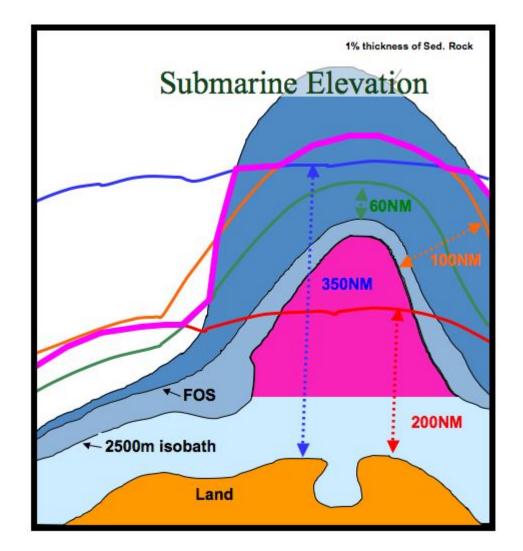




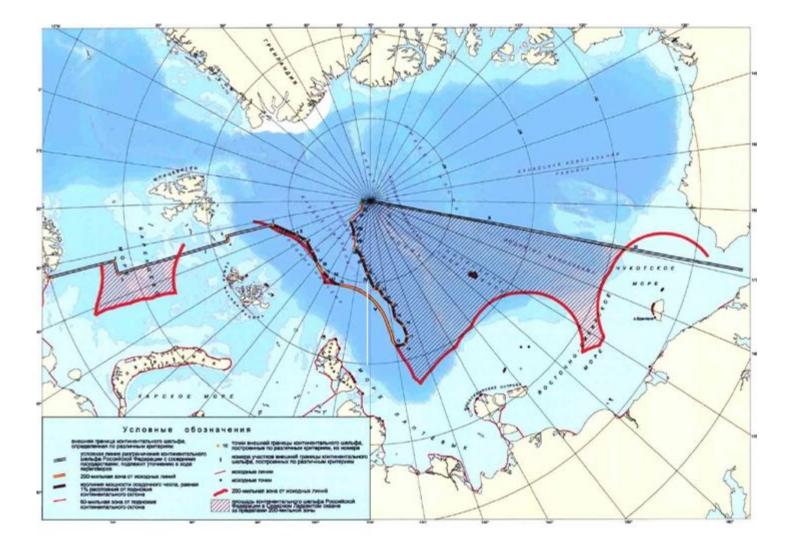








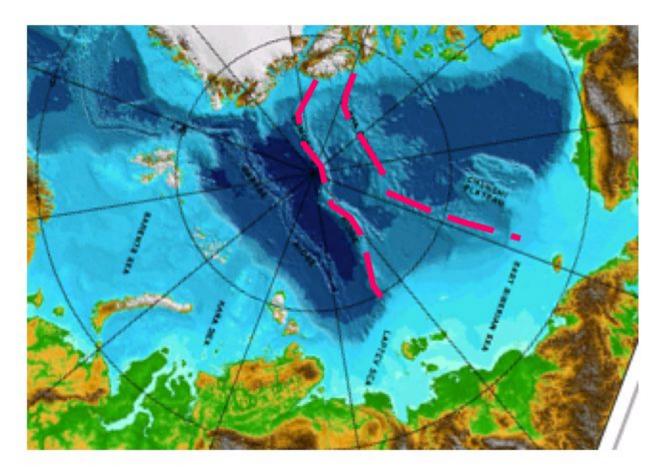




From the Executive Summary of the submission by the Russina Federation It is available at the website of the Commission on the Limits of the Continental Shelf in the website of the Division for Ocean Affairs and the Law of the Sea (DOALOS), United Nations. http://www.un.org/Depts/los/clcs new/submissions files/submission rus.htm

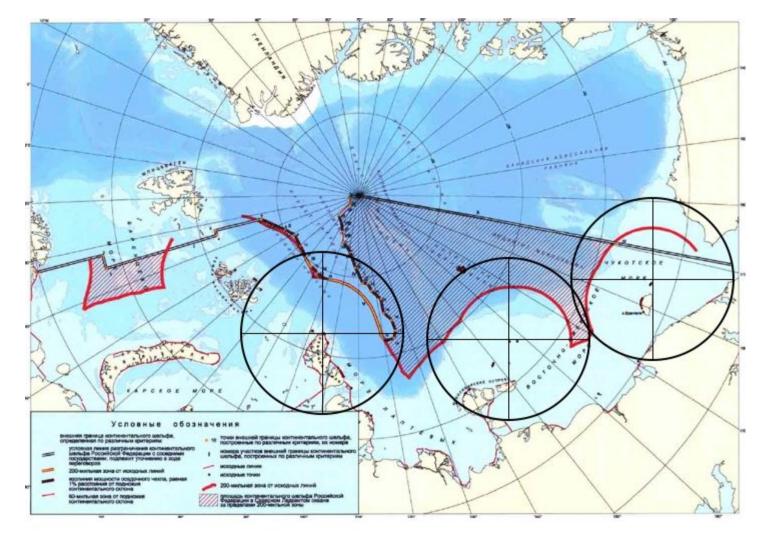


Arctic Bathymetry



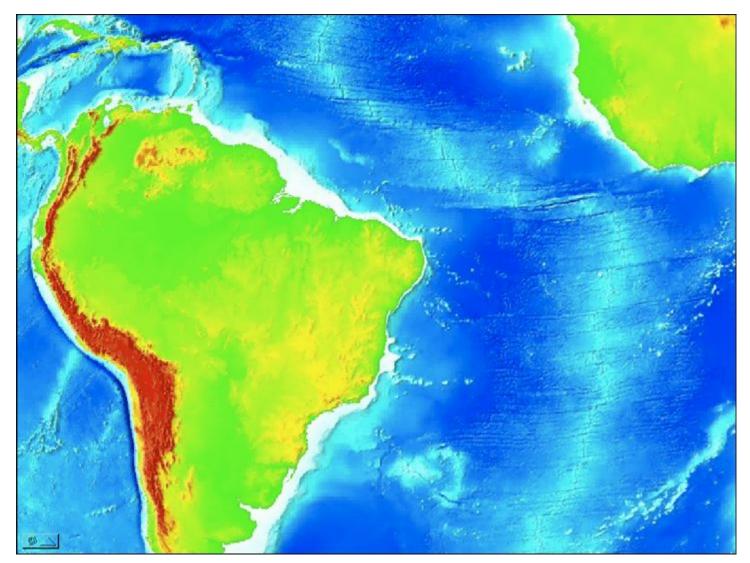
Source: Website of the United States National Geophysical Data Center (NGDC) <u>http://www.ngdc.noaa.gov/ngdc.html</u>





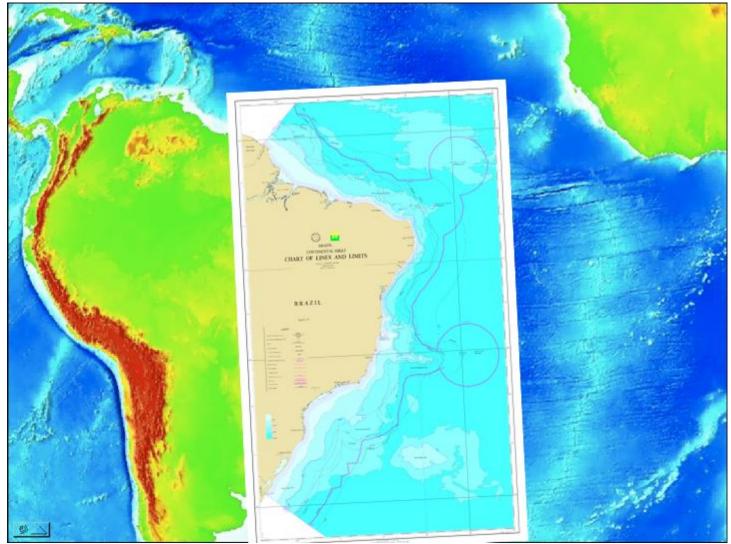
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Source: Website of the United States National Geophysical Data Center (NGDC) http://www.ngdc.noaa.gov/ngdc.html





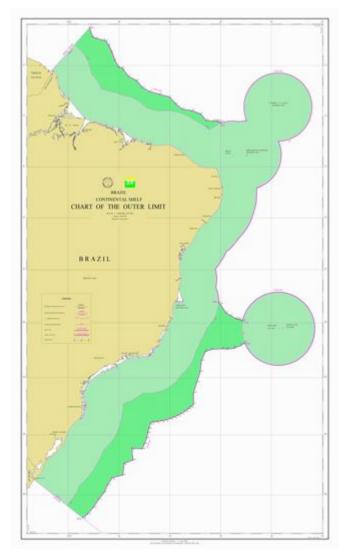
Pasted document is from the Executive Summary of the submission by Brazil. It is available at the website of the Commission on the Limits of the Continental Shelf in the website of the Division for Ocean Affairs and the Law of the Sea (DOALOS), United Nations. http://www.un.org/Depts/los/clcs_new/submissions_files/submission_bra.htm





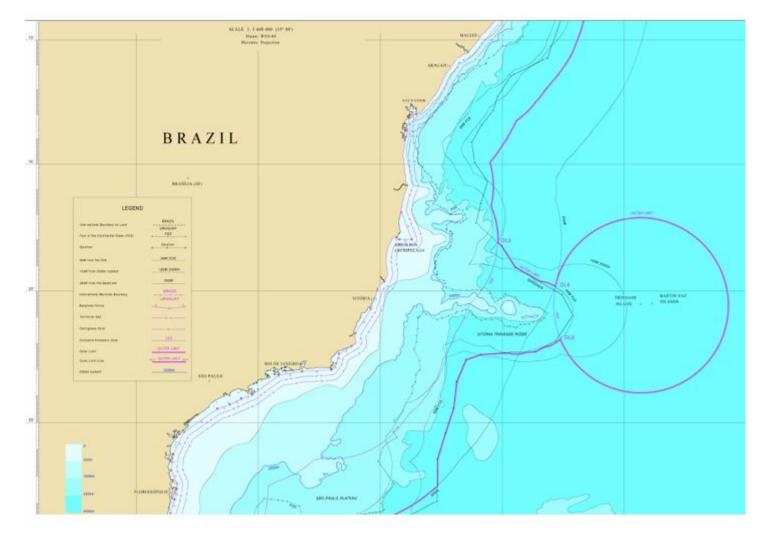
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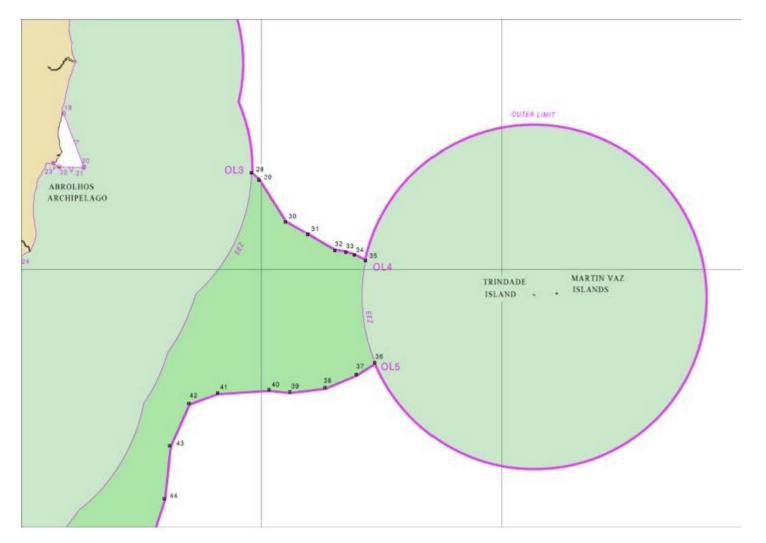
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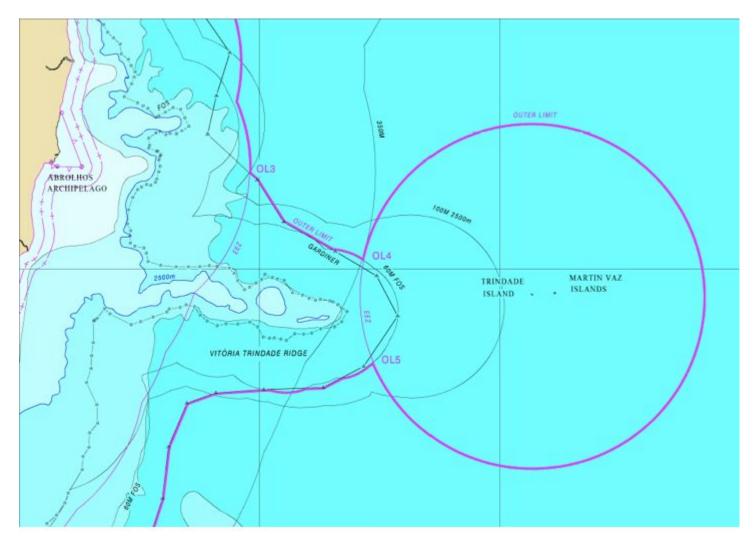




From the Executive Summary of the submission by Brazil.

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http://www.un.org/Depts/los/clcs new/submissions files/submission bra.htm



Letter to UN from USA

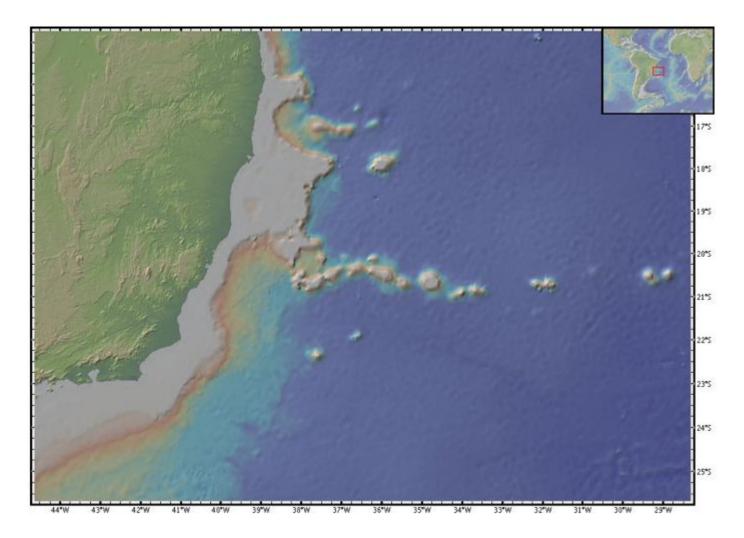
Vitoria-Trindade Feature

The United States has reviewed publicly available information regarding what Brazil refers to as the "Vitoria Trindade Ridge." The Commission should be aware that the International Hydrographic Organization/Intergovernmental Oceanographic Commission (IHO/IOC) General Bathymetric Chart of the Oceans (GEBCO) Sub-Committee on Undersea Feature Names (SCUFN) refers to that feature as the "Vitoria-Trindade Seamount Chain," and formerly referred to it is as a "Ridge." IHO-IOC GEBCO Gazetteer of Undersea Feature Names, p. 353 (May, 2004). (The United States officially refers to the feature as the "Vitoria-Trindade Seamounts.") Based on the information made public by the United Nations regarding this aspect of Brazil's submission to the Commission, one cannot determine what data and analysis Brazil used and how Brazil applied relevant provisions of Article 76 to support its conclusion, in the area of this feature, that its continental margin extends beyond 200 nautical miles from the baselines from which the territorial sea is measured. The United States, after reviewing relevant literature, suggests that oceanic hot spot processes likely formed the feature in question. The United States doubts whether the feature in question is part of Brazil's continental margin beyond 200 nautical miles from the baselines from which the territorial sea is measured. The United States suggests that the Commission takes a cautious approach with regard to this feature.

Source: Letter from the United States dated 25 August 2004

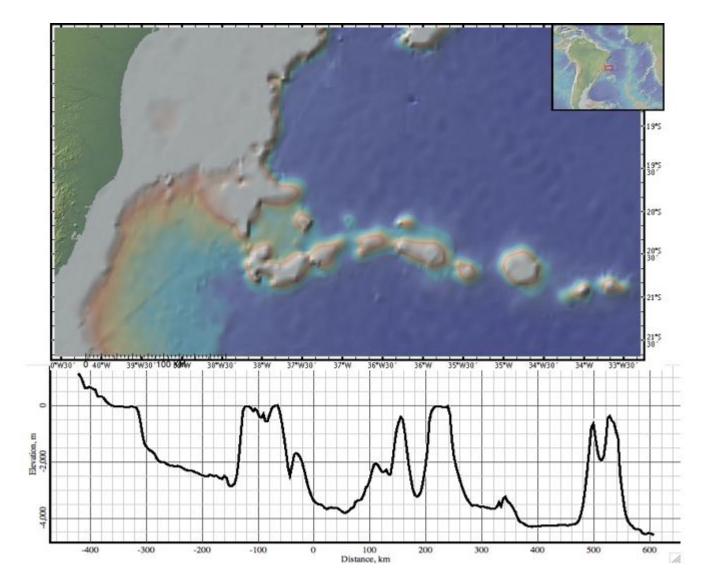
It is available at the website of the Commission on the Limits of the Continental Shelf in the website of the Division for Ocean Affairs and the Law of the Sea (DOALOS), United Nations.



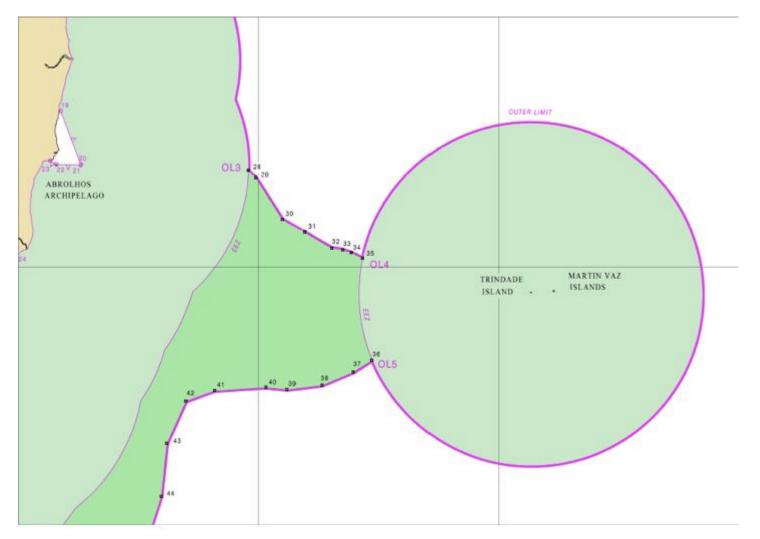


Source: Website of the United States National Geophysical Data Center (NGDC) http://www.ngdc.noaa.gov/ngdc.html









From the Executive Summary of the submission by Brazil.

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http://www.un.org/Depts/los/clcs_new/submissions_files/submission_bra.htm

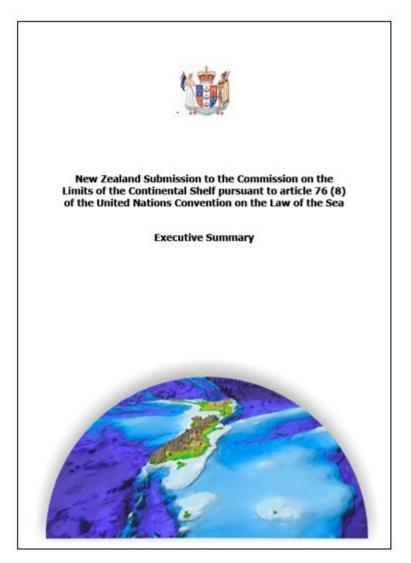


Straight lines

• The coastal State shall delineate the outer limits of its continental shelf, where that shelf extends beyond 200 nautical miles from the baselines from which the breadth of the territorial sea is measured,

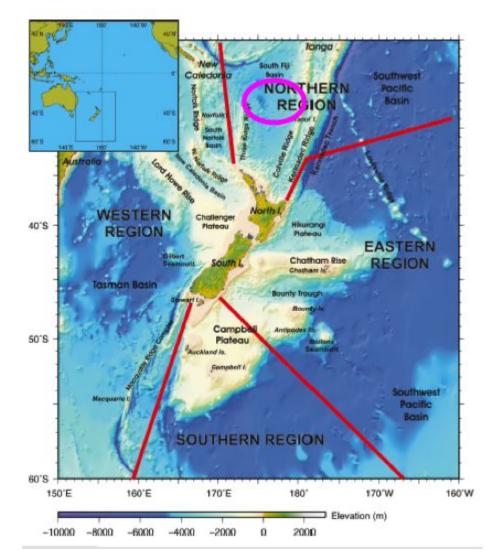
by straight lines not exceeding 60 nautical miles in length, connecting fixed points, defined by coordinates of latitude and longitude.





From the Executive Summary of the submission by New Zealand. It is available at the website of the Commission on the Limits of the Continental Shelf in the website of the Division for Ocean Affairs and the Law of the Sea (DOALOS), United Nations. <u>http://www.un.org/Depts/los/clcs_new/submissions_files/submission_nzl.htm</u>

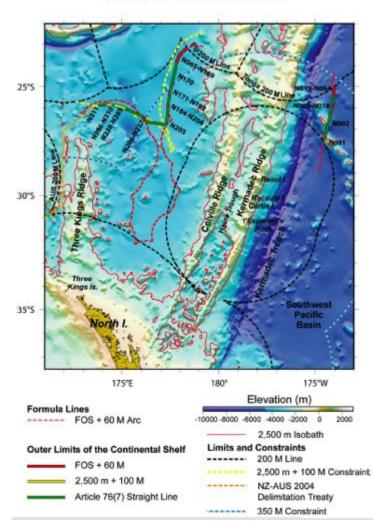




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Continental Shelf Submission of New Zealand



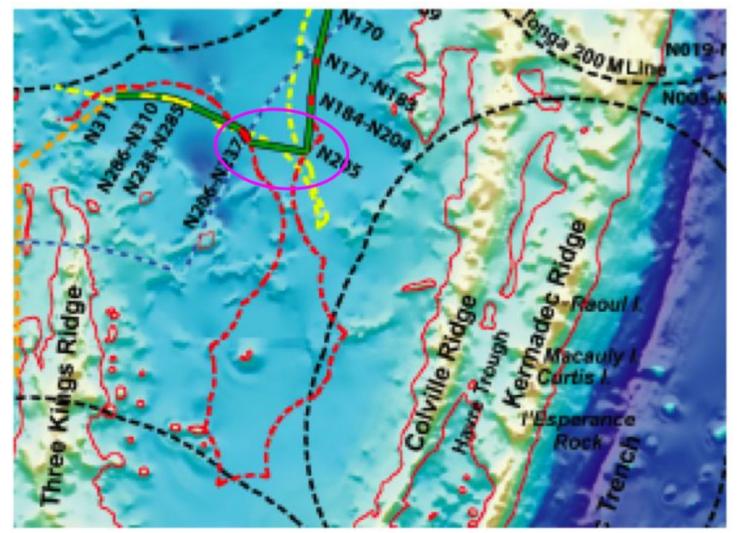
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Ocean Affairs and the Law of the Sea (DOALOS), United Nations.

http://www.un.org/Depts/los/clcs new/submissions files/submission nzl.htm





From the Executive Summary of the submission by New Zealand. It is available at the website of the Commission on the Limits of the Continental Shelf in the website of the Division for Ocean Affairs and the Law of the Sea (DOALOS), United Nations. <u>http://www.un.org/Depts/los/clcs_new/submissions_files/submission_nzl.htm</u>



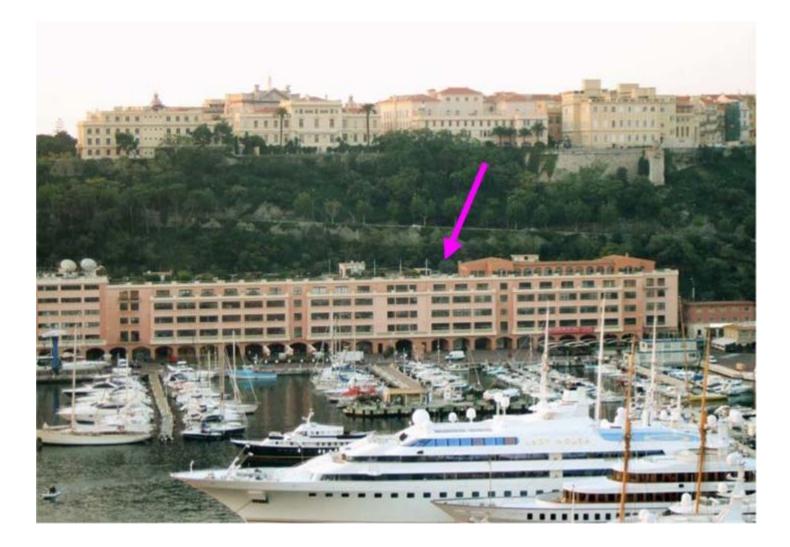
Many thanks for your patience! See you in Monaco at ABLOS Conference



From the website of IHO/IAG Advisory Board on the Law of the Sea (ABLOS) <u>http://www.gmat.unsw.edu.au/ablos/#ABLOS_Intro</u>

An international conference on DIFFILCULTIES IN IMPLEMENTING THE PROVISIONS OF UNCLOS, organised by ABLOS, will be held in Monaco on 16-17 October 2008. For the detail, please check the above website.





The Internation Hydrographic Bureau is located in this building. The ABLOS international conference will be held here in October 2008.





For your information, this is the famous Monte-Carlo Casino in Monaco.