



UK Hydrographic
Office

UKHO Provision of Maritime Baselines, Limits, Zones and Boundaries

October 2019

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UKHO Maritime, Baselines, Limits, Zones and Boundaries

- History of publishing maritime baselines, limits and boundaries
- Current approaches for publication
- Developing ideas for publishing maritime baselines for navigational and non-navigational users



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Publication requirements

United National Convention on the Law of the Sea (UNCLOS)

Article 16: Territorial Sea 1. ... baselines, ... or the limits, and the lines of delimitation, ... shall be shown on charts of a scale or scales adequate for ascertaining their position. Alternatively, a list of geographical coordinates of points, specifying geodetic datum, may be substituted.

2. The coastal State shall give due publicity to such charts or lists of geographical coordinates and shall deposit a copy of each such chart or list with the Secretary-General of the United Nations.

Article 75: Exclusive Economic Zone

Article 84: Continental Shelf



Territorial Waters Jurisdiction Act 1878

1878 CHAPTER 73 41 and 42 Vict

An Act to regulate the law relating to the Trial of Offences committed on the Sea within a certain distance of the Coasts of Her Majesty's Dominions. [16th August 1878]

Whereas the rightful jurisdiction of Her Majesty, her heirs and successors, extends and has always extended over the open sea adjacent to the coasts of the United Kingdom and of all other parts of Her Majesty's dominions to such a distance as is necessary for the defence and security of such dominions:

And whereas it is expedient that all offences committed on the open sea within a certain distance of the coasts of the United Kingdom and of all other parts of Her Majesty's dominions, by whomsoever committed, should be dealt with according to law:

Annotations:

Modifications etc. (not altering text)

C1 Act extended by S.I. 1972/971, Sch. 1

1 Short title.

This Act may be cited as the Territorial Waters Jurisdiction Act 1878.

2 Amendment of law as to jurisdiction of the Admiral.

An offence committed by a person, whether he is or is not a subject of Her Majesty, on the open sea within the territorial waters of Her Majesty's dominions, is an offence within the jurisdiction of the Admiral, although it may have been committed on board or by means of a foreign ship, and the person who committed such offence may be arrested, tried, and punished accordingly.

3 Restriction on institution of proceedings for punishment of offence.

Proceedings for the trial and punishment of a person who is not a subject of Her



1988 No. 1838

CARIBBEAN AND NORTH ATLANTIC TERRITORIES

The Bermuda (Territorial Sea) Order in Council 1988

Made - - - - 26th October 1988

Coming into force - - 28th November 1988

Her Majesty, in pursuance of the powers conferred upon Her by the Colonial Boundaries Act 1895(1) and all other powers enabling Her in that behalf, is pleased, by and with the advice of Her Privy Council, to order, and it is hereby ordered, as follows:

1. This Order may be cited as the Bermuda (Territorial Sea) Order in Council 1988 and shall come into force on 28th November 1988.

2. The boundaries of Bermuda are hereby extended to include, as territorial sea, that part of the sea which is situated within twelve nautical miles measured from the baselines as established by Article 3 of this Order, together with the seabed of the territorial sea and its subsoil.

3.—(1) Except as otherwise provided in paragraphs (2) to (4) of this Article, the baseline from which the breadth of the territorial sea adjacent to Bermuda is measured shall be the low water line along the coast including the coast of all islands comprised in the Colony of Bermuda.

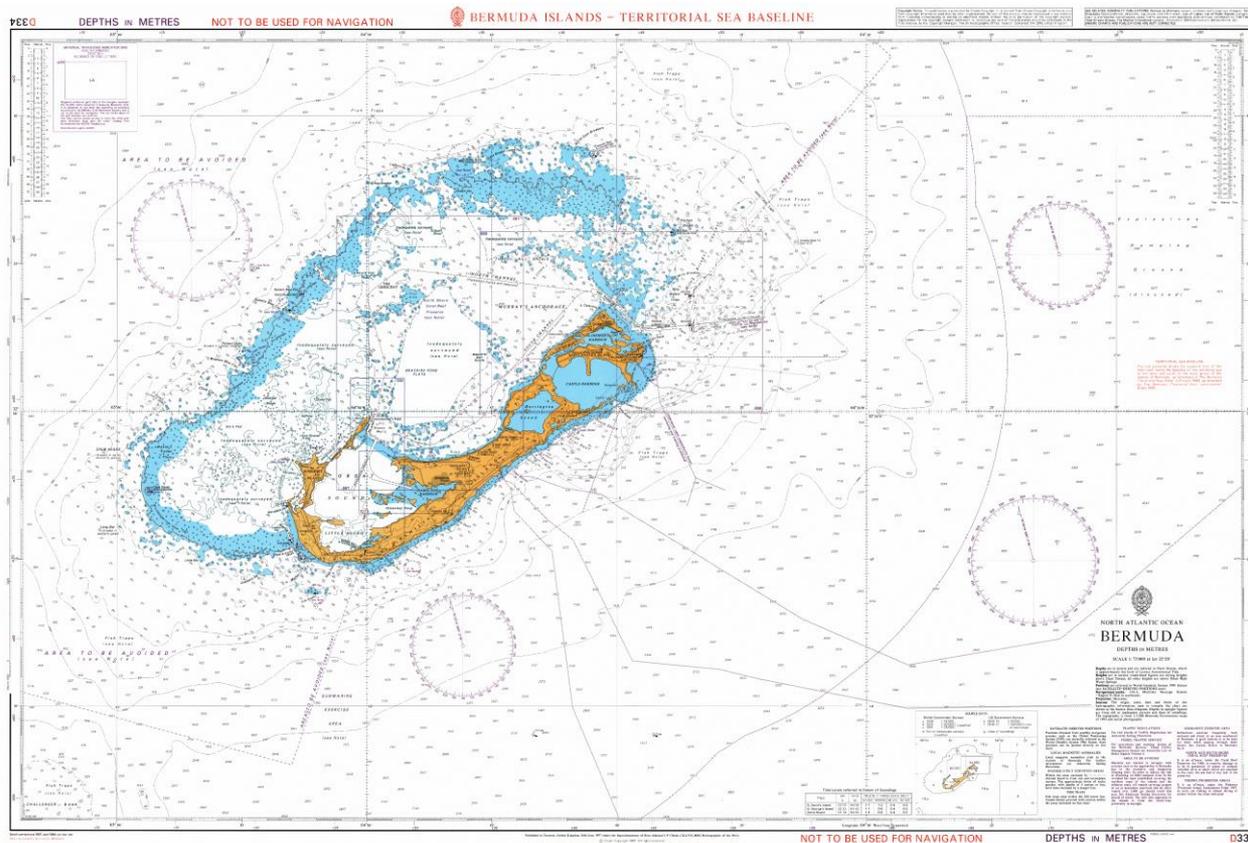
(2) For the purposes of this Article a low-tide elevation which lies wholly or partly within the breadth of sea which would be territorial sea if all low-tide elevations were disregarded for the purpose of the measurement of the breadth thereof and if paragraphs (3) and (4) of this Article were omitted shall be treated as an island.

(3) The baseline from which the breadth of the territorial sea is measured between a point on the coast at 32°15.2'N64°52.3'W inshore of Hogfish Cut and a point on the coast at 32°22.7'N64°39.7'W inshore of Town Cut, subject to paragraph 4 of this Article, shall be a line following, in a clockwise direction, the seaward limit of the highest areas, shown as awash on Admiralty Chart 334, of the main reef surrounding the area of deeper water to the west and north of the main group of islands of Bermuda.

(4) Where there is a break or passage through the main reef referred to in paragraph (3) of this Article, a straight line joining the seaward entrance points of that break or passage shall constitute the baseline.

(5) In this Article—

(1) 1895 c. 34.



2014 No. 1353

TERRITORIAL SEA

The Territorial Sea (Baselines) Order 2014

Made 27th May 2014
Coming into force 30th June 2014
At the Court at Buckingham Palace, the 27th day of May 2014

Enacted

The Queen's Most Excellent Majesty in Council

Her Majesty, in exercise of the powers conferred upon Her by section 1(1)(b) of the Territorial Sea Act 1987(a), in phoased, by and with the advice of Her Privy Council, in order, and it is hereby enacted, as follows:

1.—(1) This Order may be cited as the Territorial Sea (Baselines) Order 2014 and shall come into force on 30th June 2014.

(2) The Territorial Waters Order in Council 1964(b) and the Territorial Waters (Amendment) Order in Council 1998(c) are revoked.

Baselines

2.—(1) Except as provided in Article 3 of this Order, the baselines from which the breadth of the territorial sea adjacent to the United Kingdom, the Channel Islands and the Isle of Man shall be established in accordance with the relevant provisions of the United Nations Convention on the Law of the Sea (C'cord 1982), as modified and set out in Schedule 1 to this Order.

(2) In Schedule 1 to this Order, except as the phrase "low-water line", the word "line" means a geodesic line.

3.—(1) The baseline from which the breadth of the territorial sea is measured between Cape Wrath and Laggan shall consist of the geodesic lines drawn as so to join successively, in the order in which they are there set out, the points identified by the co-ordinates of latitude and longitude in the first column of Schedule 2 to this Order, each being a point on the low-water line and on or adjacent to the feature named in the second column of that Schedule.

(2) In Schedule 2 to this Order, all positions given by means of coordinates are defined on World Geodetic System 1984 Datum (WGS84).

(a) 1987 c.49, section 1 of the Territorial Sea Act 1987 was amended by the title of the Territorial Sea Act 1987 (Title of the Act) Order 1991 (S.I. 1991/212) and by the Territorial Sea Act 1987 (General) (Amendment) Order 2002 (S.I. 2002/286), and to Give effect to the Territorial Sea Act 1987 (General) (Title) Order 2004 (S.I. 2004/110).

(b) 1963 c. p. 4625.

(c) 1998 c. p. 4625.

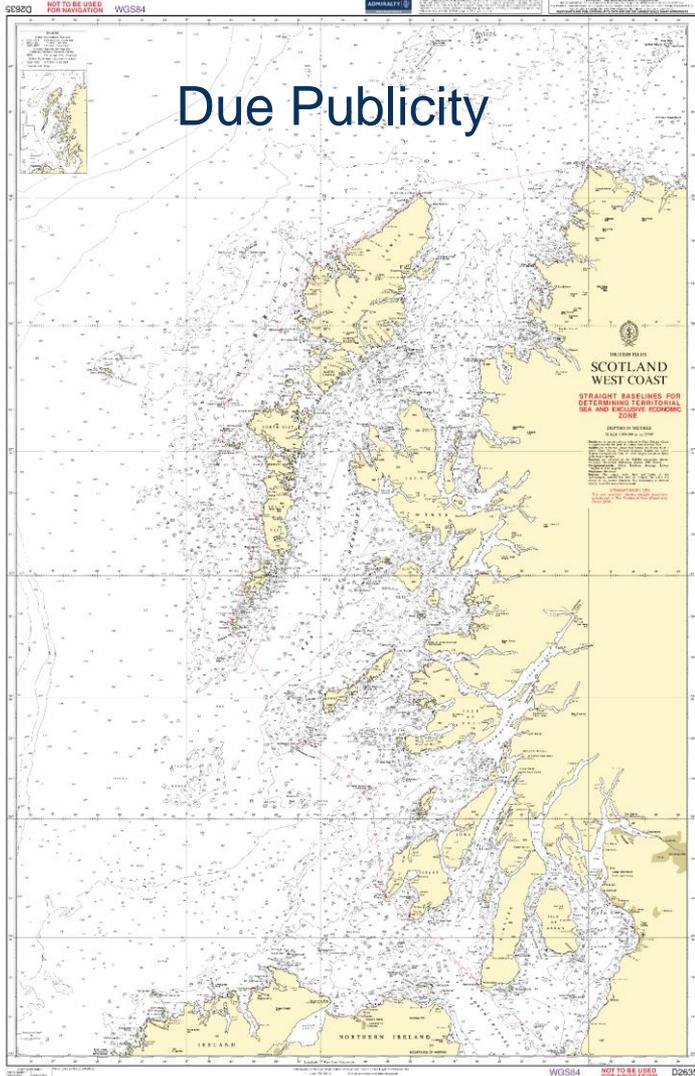
SCHEDULE 2

Article 3

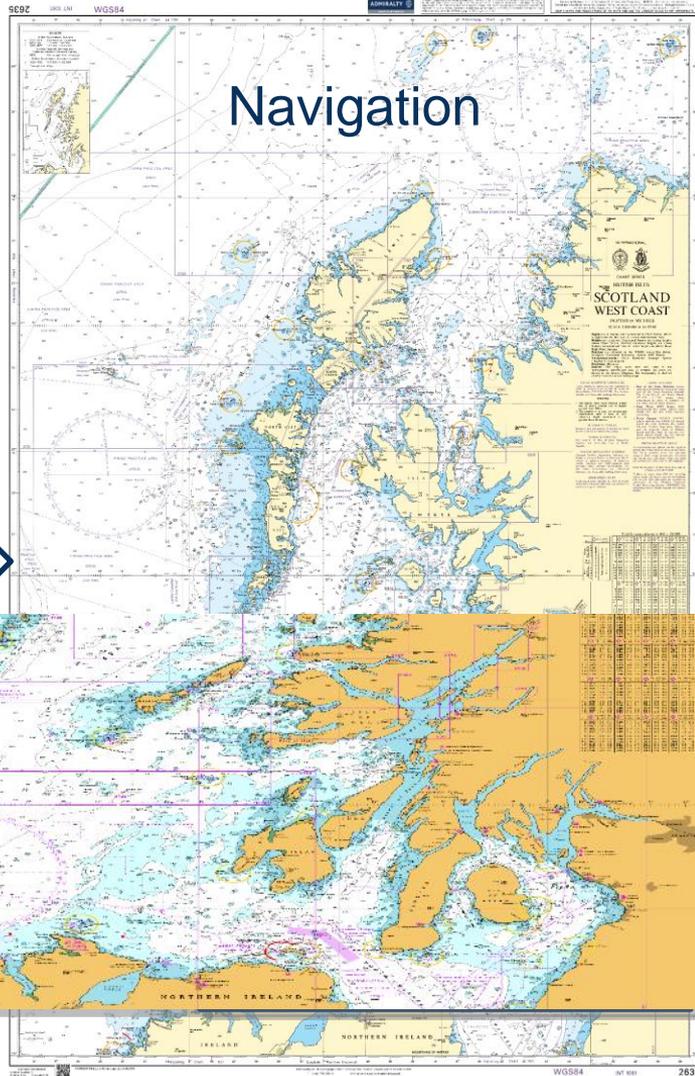
POINTS BETWEEN CAPE WRATH AND LAGGAN JOINED BY GEODESIC LINES TO FORM BASELINES

| | Latitude North | Longitude West | |
|----|----------------|----------------|-------------------------|
| 1 | 58° 17' 44.2 | 5° 00' 29.5 | Cape Wrath |
| 2 | 58° 18' 17.8 | 6° 18' 25.2 | Lairn Spire |
| 3 | 58° 30' 30.7 | 6° 16' 58.5 | Grasslieg |
| 4 | 58° 29' 42.5 | 6° 20' 35.0 | Dalh Rock |
| 5 | 58° 14' 44.2 | 6° 47' 41.2 | Thompson Head |
| 6 | 58° 17' 57.5 | 6° 52' 37.8 | Muir Spire |
| 7 | 58° 17' 22.5 | 6° 50' 39.5 | Old Hill |
| 8 | 58° 14' 47.5 | 7° 02' 14.0 | Gallan Head |
| 9 | 58° 13' 59.2 | 7° 07' 03.0 | Inlet SW of Gallan Head |
| 10 | 58° 10' 42.5 | 7° 06' 56.0 | Eilean Mòrach |
| 11 | 57° 59' 11.0 | 7° 17' 25.7 | Caolun |
| 12 | 57° 41' 29.5 | 7° 43' 24.8 | Hedder Lochs |
| 13 | 57° 32' 34.7 | 7° 44' 01.8 | Blackstrait |
| 14 | 57° 14' 53.2 | 7° 27' 39.7 | Ballin Aulshie |
| 15 | 57° 00' 41.7 | 7° 31' 35.2 | Greenish Head |
| 16 | 56° 58' 10.2 | 7° 33' 45.2 | Droichead Head |

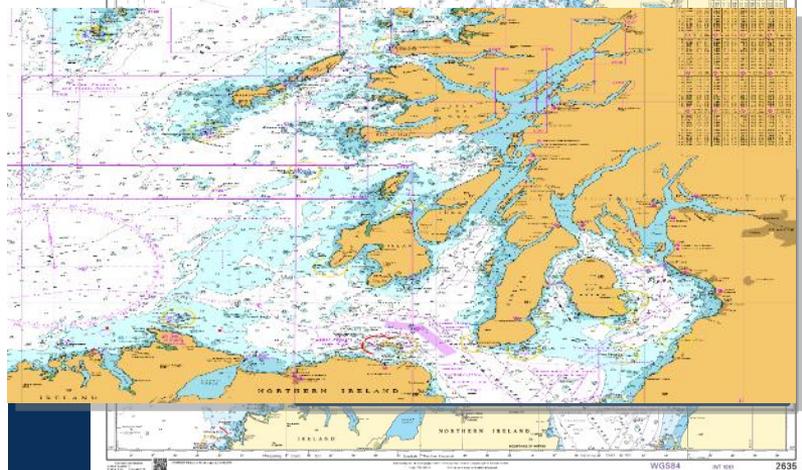
3



Due Publicity



Navigation





Marine Spatial Data Infrastructure



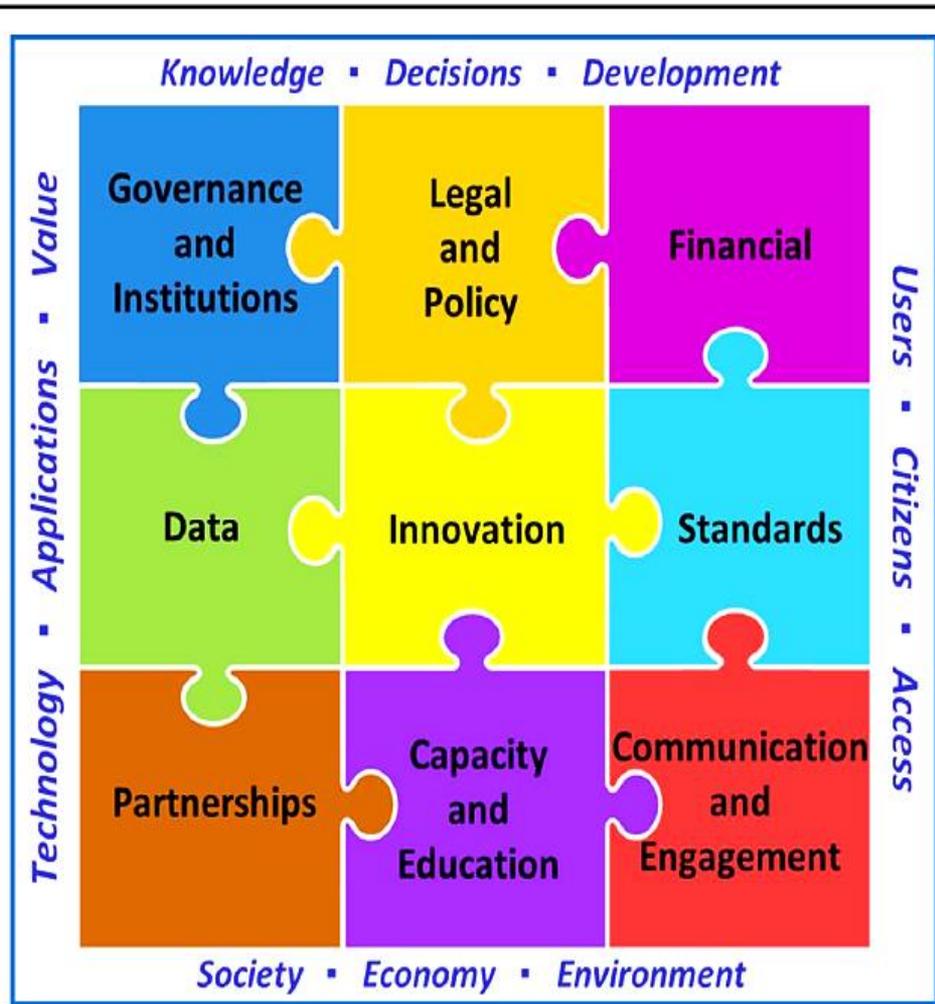
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The UNGGIM Integrated Geospatial Information Framework

Governance →

Technology →

People →





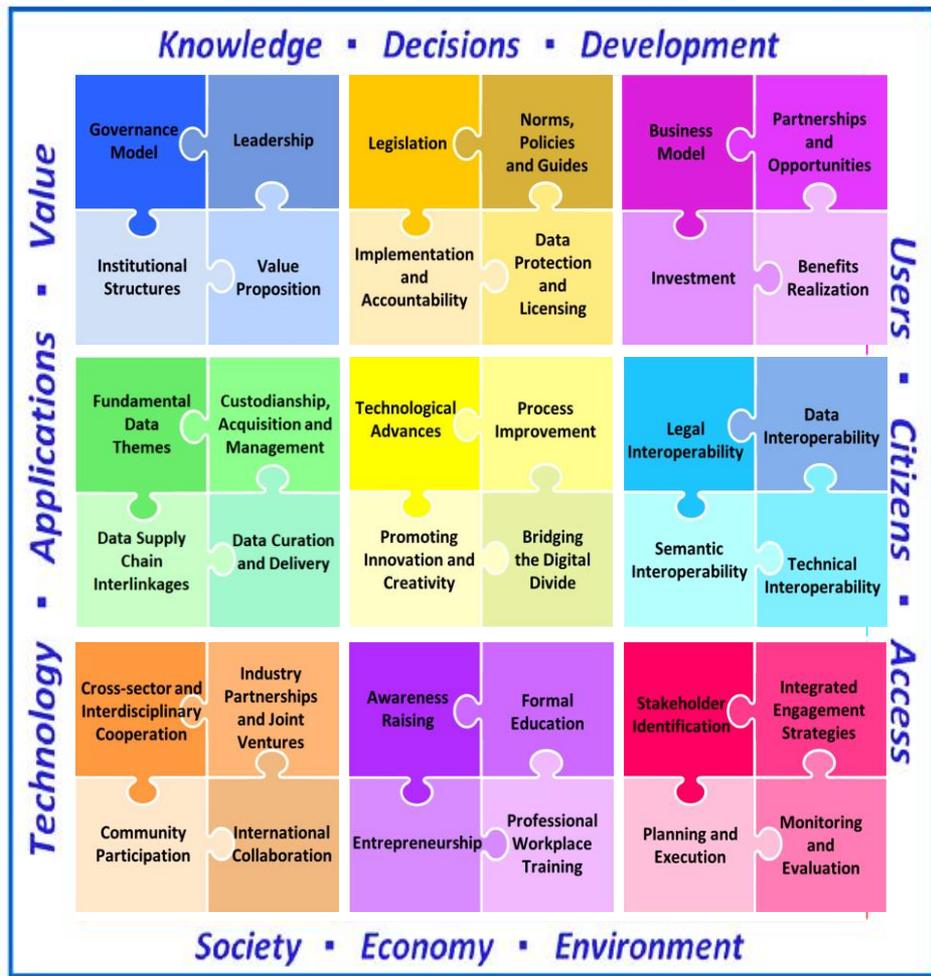
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OGC Maritime Limits & Boundaries Pilot Project

Sponsors:

- Geoscience Australia
- Canadian Hydrographic Service
- Natural Resources Canada
- United Kingdom Hydrographic Office



| | |
|---------------|---|
| February 2020 | Engineering Report |
| March 2020 | Demonstration and End of Prototype Development Phase |

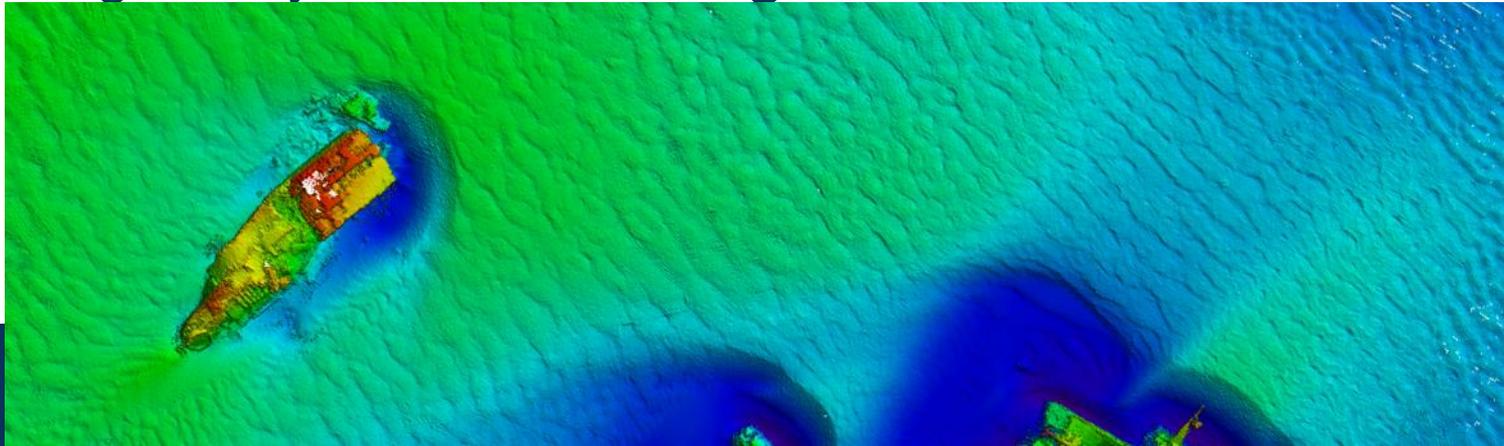




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Admiralty Marine Data Portal

- To give people easy and timely access to marine location-based information from seabed to surface to help them with sustainable marine decision making.
- An organised gateway to our **non-navigation** data and services.





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Isle of Man Maritime Limits

No license specified Accessible to Everyone 6/12/2019 Feature Service

The limits and boundaries of the UK, UK Overseas Territories and UK Crown Dependencies are available from this website in accordance with Articles 16, 74 and 84 of the United Nations Convention on the Law of the Sea. Limits are calculated from the normal baseline (the low water line on the largest UKHO charts) and limits are maintained by UKHO. Please note that these limits will only be updated annually.

Attributes

Chart

| | |
|--------------------|--------------------------|
| category_0 Text | SHOW MORE 1 Attribute |
|--------------------|--------------------------|

1 Favorite Download APIs

About

Shared By: UI

Data Source: KML

Tagged with: Excel

View Metadata

Create Webmap

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Full Dataset

Shapefile

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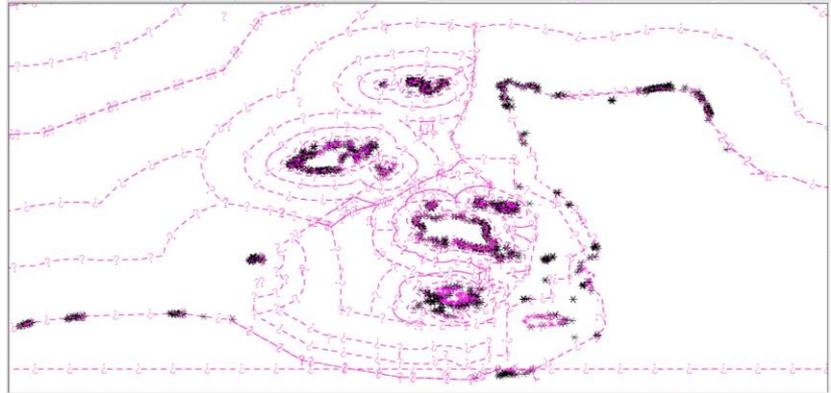
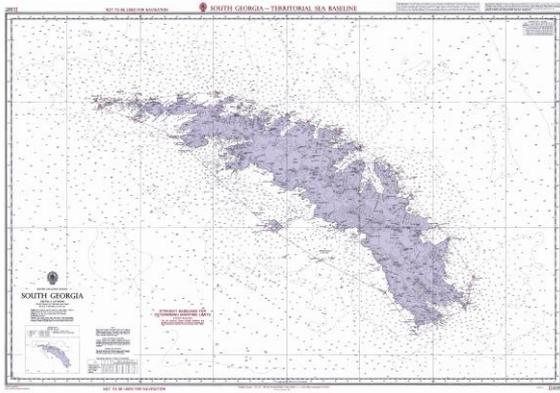
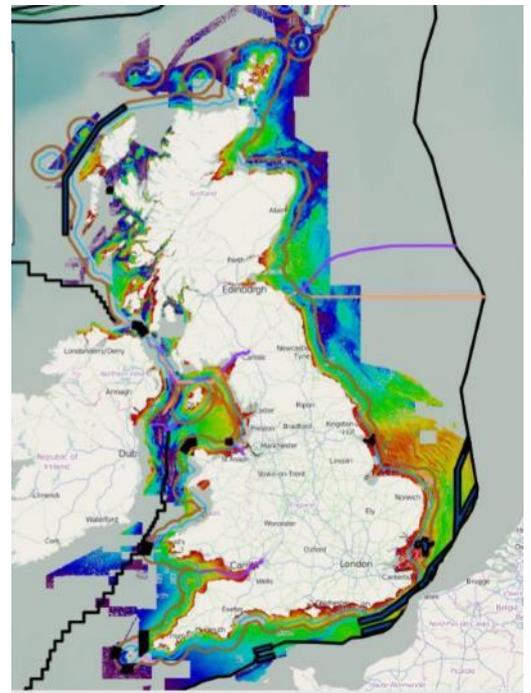
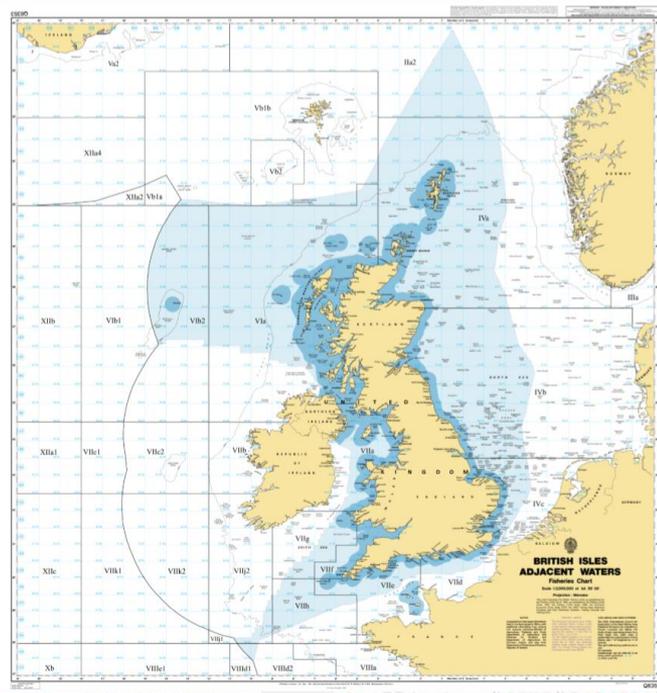
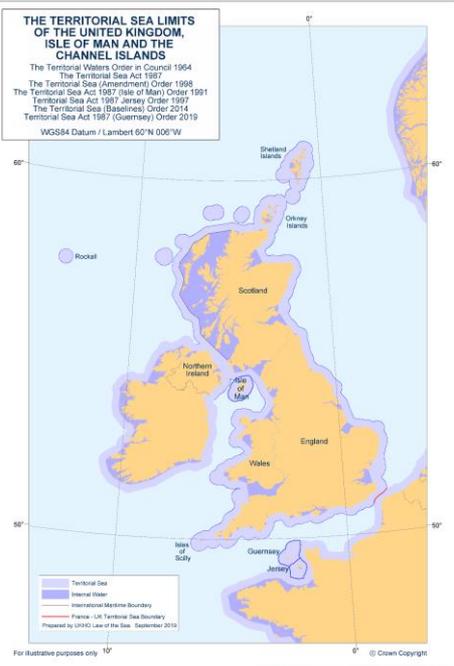
GeoJSON

Feature Collection



Where we are now

- New legislation and treaties in modern data geographic terms (horizontal datums and definitions of line geometry).
- UK, overseas territories and crown dependencies navigational charts with baselines, limits and boundaries
- Marine Data Portal with annual update of shape files and illustrations
- Still geographically weak legislation and treaties which will not necessarily be updated in quick order, and demand from legacy systems.
- Engagement with standards, data provision, user needs





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Comments?
Questions?
Discussion?



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