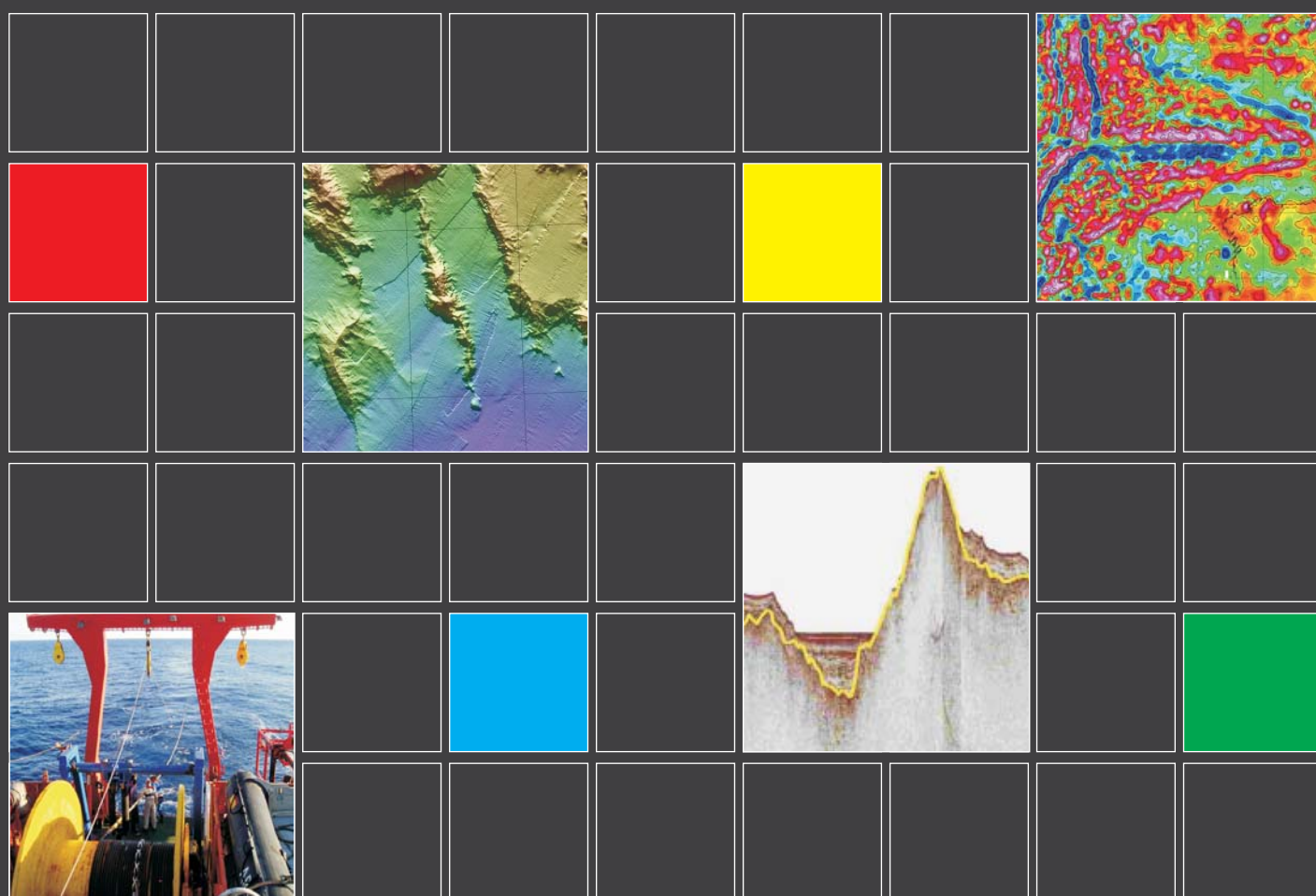


**Joint Submission to the Commission on  
the Limits of the Continental Shelf  
pursuant to Article 76, paragraph 8 of  
the United Nations Convention  
on the Law of the Sea 1982  
in respect of the area  
of the Celtic Sea and the Bay of Biscay**



**France**

**Ireland**

**Spain**

**United Kingdom of Great Britain and Northern Ireland**

**Part 1 Executive Summary**

**English Version Version Française Versión Española**

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							Magnetic anomaly image of the Bay of Biscay	
		Bathymetric image of the Menez Braz region created from multibeam data						
					Part of seismic line BRUB-13 from the Breogham 2005 survey			
Looking aft from R/V Hespérides during the acquisition of the Breogham seismic survey, September 2005								

## TABLE OF CONTENTS

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1. Introduction .....	2
2. Outer limit of the extended continental shelf in the Celtic Sea and Bay of Biscay area .....	2
3. Specific provisions of Article 76 invoked to support the submission .....	3
4. Names of Commission Members who provided advice during the preparation of the submission .....	3
5. Absence of Disputes .....	3
6. Detailed description of the outer limit of the extended continental shelf in the Celtic Sea and Bay of Biscay area.....	4
7. State Bodies Responsible for the Preparation of the Joint Continental Shelf Submission .....	5

## LIST OF FIGURES

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Figure 1: Outer continental shelf limit in the Celtic Sea and Bay of Biscay area .....	2
Figure 2: Details of the formulae lines used to define the outer limit of the extended continental shelf in the Celtic Sea and Bay of Biscay area .....	4

## APPENDIX

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Appendix 1: List of coordinates defining the outer limit of the extended continental shelf in the Celtic Sea and Bay of Biscay area .....	6
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## 1. Introduction

This submission to the Commission is made by France, Ireland, Spain and the United Kingdom of Great Britain and Northern Ireland (hereinafter referred to as the 'four coastal States') pursuant to Article 76, paragraph 8, of the Convention in support of the establishment by these four coastal States of the outer limits of their continental shelf in the area of the Celtic Sea and the Bay of Biscay that lies beyond 200 nautical miles from the baselines of each State from which the breadths of their respective territorial seas are measured. This submission is, therefore, of a joint nature, and comprises a single document prepared collectively and collaboratively by the four coastal States concerned.

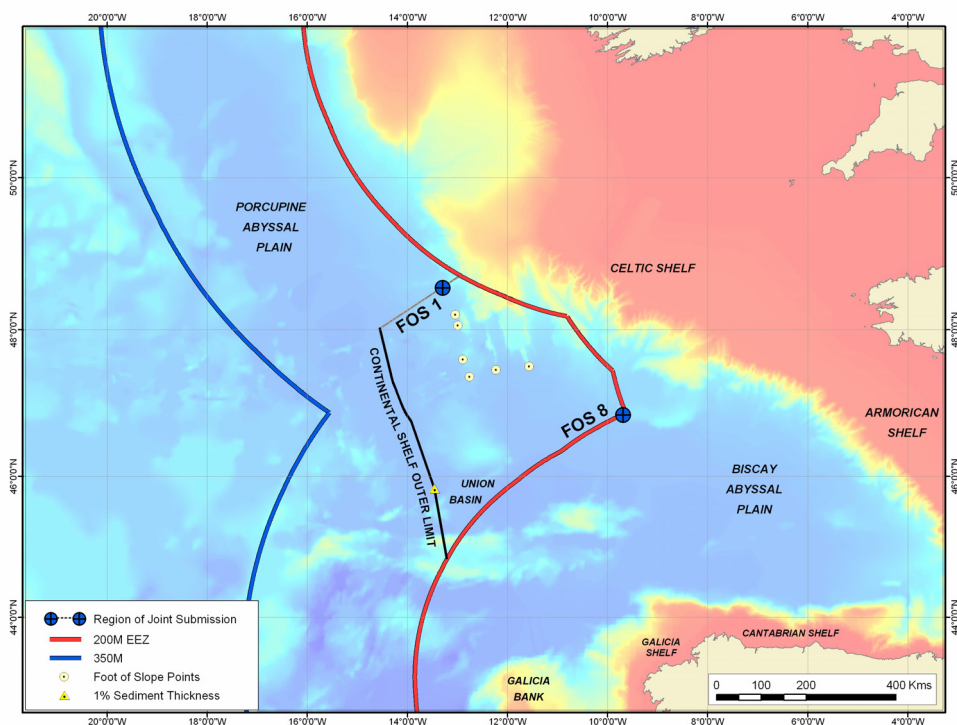


Figure 1: Outer continental shelf limit in the Celtic Sea and Bay of Biscay area

## 2. Outer limit of the extended continental shelf in the Celtic Sea and Bay of Biscay area

The present joint submission deals only with the outer limit of the continental shelf in the Celtic Sea and Bay of Biscay area. It extends from the southern limit of the Partial Submission of Ireland to a point on the Spanish 200M continental shelf limit (Fig. 1).

### **3. Specific provisions of Article 76 invoked to support the submission**

The outer limits contained in this submission are based on the provisions of Articles 76.4 (a)(i) and 76.4 (a)(ii) and 76.4 (b) of UNCLOS.

### **4. Names of Commission Members who provided advice during the preparation of the submission**

The four coastal States were assisted in the preparation of this submission by Mr. Peter F. Croker, member of the Commission on the Limits of the Continental Shelf (1997-present). No advice was provided by any other member of the Commission.

### **5. Absence of Disputes**

In accordance with paragraph 2(a) of Annex I to the Commission's Rules of Procedures, the four coastal States wish to inform the Commission that the area of continental shelf that is the subject of this joint partial submission is not the subject of any dispute between them and any other State(s).

## 6. Detailed description of the outer limit of the extended continental shelf in the Celtic Sea and Bay of Biscay area

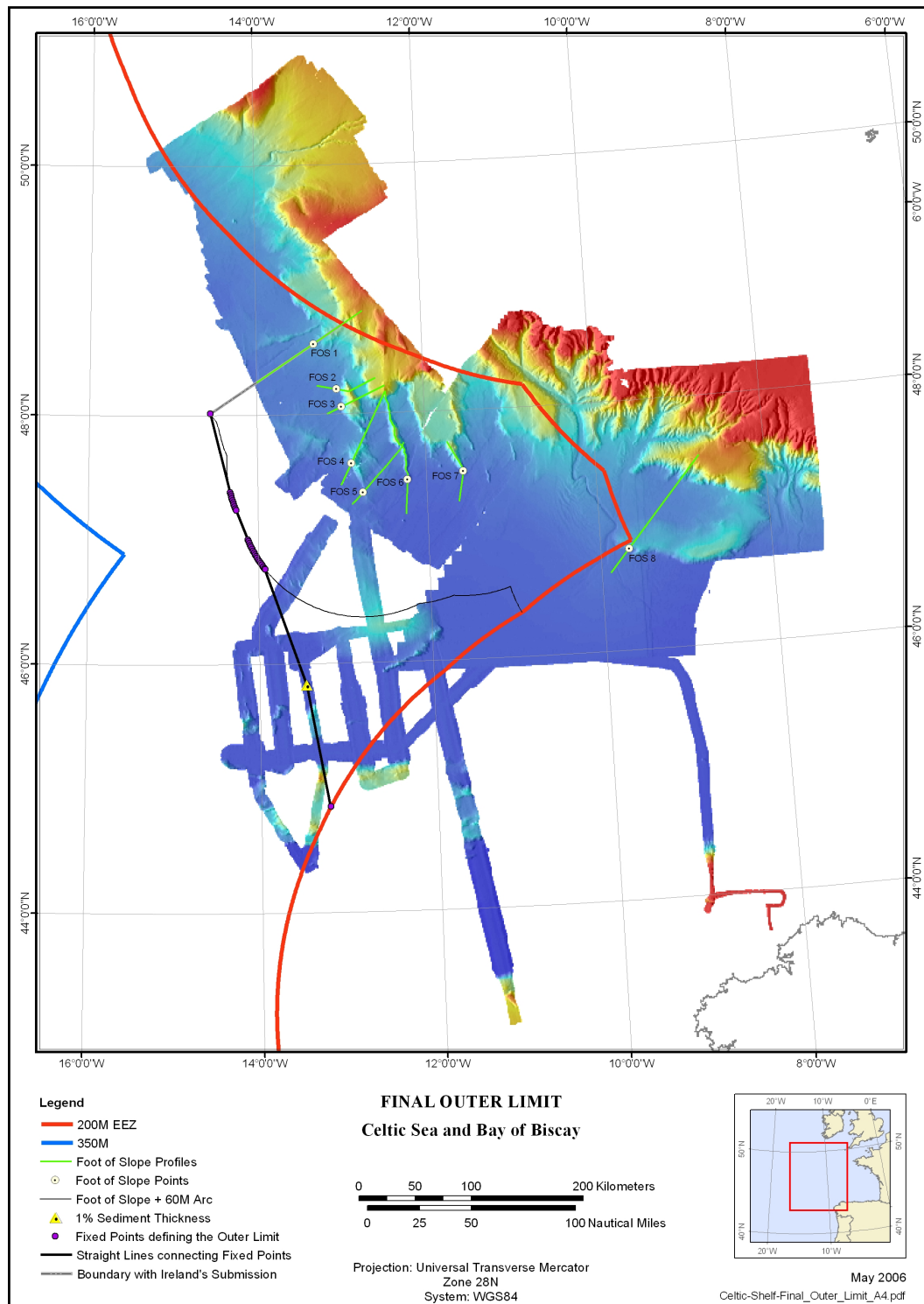


Figure 2: Details of the formulae lines used to define the outer limit of the extended continental shelf in the Celtic Sea and Bay of Biscay area

The four coastal States have used both of the formulae lines (i.e. both Hedberg and Gardiner) in this joint submission. A limit based on the Hedberg formula (60 nautical miles from the foot of the continental slope) has been generated from all of the 8 foot of slope points (FOS 1 to FOS 8). On the seismic data submitted, sufficient sediment thickness has, in the view of the four coastal States, been demonstrated to allow the application of the 1% sediment thickness formula (the Gardiner or Irish formula) from FOS 5. Therefore, FOS 5 generates fixed points from the application of both the Hedberg and Gardiner formulae and the Gardiner point has been selected. Only the fixed points generated from FOS 1, 4 and 5 actually contribute to establishing the final outer limit of the area that is the subject of this joint submission (Fig. 2).

## **7. State Bodies Responsible for the Preparation of the Joint Continental Shelf Submission**

This submission, together with all maps, figures, enclosures, appendices and databases, was prepared jointly by EXTRAPLAC of France, a consortium composed of Ifremer, SHOM, IFP and IPEV under the auspices of the General Secretariat of the Sea; the Petroleum Affairs Division of the Department of Communications, Marine and Natural Resources of Ireland; the IGME Marine Geology Division of the Geological Survey of Spain and the Hydrographic and Oceanographic Services of Spain; the National Oceanography Centre and the United Kingdom Hydrographic Office of the United Kingdom.

## Appendix 1: List of coordinates defining the outer limit of the extended continental shelf in the Celtic Sea and Bay of Biscay area

All coordinates relate to the WGS 84 geodetic reference system.

FP	Latitude (°N)	Longitude (°W)	Method	From FP	To FP	Distance (m)	Distance (M)
1	48.0170407	14.5545155	Fixed point from FOS1+60M arc terminated at southern limit of Ireland's partial submission to the CLCS				
2	47.3821081	14.3248005	Fixed point at 60M from FOS point 4	1	2	72669.59	39.24
3	47.3659249	14.3189907	Fixed point at 60M from FOS point 4	2	3	1851.96	1.00
4	47.3498099	14.3127878	Fixed point at 60M from FOS point 4	3	4	1851.90	1.00
5	47.3337678	14.3061964	Fixed point at 60M from FOS point 4	4	5	1851.77	1.00
6	47.3178003	14.2992165	Fixed point at 60M from FOS point 4	5	6	1851.97	1.00
7	47.3019149	14.2918503	Fixed point at 60M from FOS point 4	6	7	1851.84	1.00
8	47.2861149	14.2841001	Fixed point at 60M from FOS point 4	7	8	1851.82	1.00
9	47.2704034	14.2759681	Fixed point at 60M from FOS point 4	8	9	1851.93	1.00
10	47.2547851	14.2674588	Fixed point at 60M from FOS point 4	9	10	1851.97	1.00
11	47.2392662	14.2585722	Fixed point at 60M from FOS point 4	10	11	1851.85	1.00
12	47.0037342	14.1227919	Fixed point at 60M from FOS point 5	11	12	28139.07	15.19
13	46.9883165	14.1135774	Fixed point at 60M from FOS point 5	12	13	1851.76	1.00
14	46.9730036	14.1039924	Fixed point at 60M from FOS point 5	13	14	1851.97	1.00
15	46.9578015	14.0940435	Fixed point at 60M from FOS point 5	14	15	1851.88	1.00
16	46.9427151	14.0837309	Fixed point at 60M from FOS point 5	15	16	1851.80	1.00
17	46.9277459	14.0730589	Fixed point at 60M from FOS point 5	16	17	1851.94	1.00
18	46.9129002	14.0620298	Fixed point at 60M from FOS point 5	17	18	1851.89	1.00
19	46.8981813	14.0506482	Fixed point at 60M from FOS point 5	18	19	1851.86	1.00
20	46.8835937	14.0389139	Fixed point at 60M from FOS point 5	19	20	1851.91	1.00
21	46.8691393	14.0268361	Fixed point at 60M from FOS point 5	20	21	1851.97	1.00
22	46.8548258	14.0144146	Fixed point at 60M from FOS point 5	21	22	1851.77	1.00
23	46.8406533	14.0016541	Fixed point at 60M from FOS point 5	22	23	1851.90	1.00
24	46.8266281	13.9885566	Fixed point at 60M from FOS point 5	23	24	1851.87	1.00
25	46.8127518	13.9751291	Fixed point at 60M from FOS point 5	24	25	1851.90	1.00
26	46.7990308	13.9613714	Fixed point at 60M from FOS point 5	25	26	1851.86	1.00
27	46.7854652	13.9472903	Fixed point at 60M from FOS point 5	26	27	1852.03	1.00
28	46.7720627	13.9328903	Fixed point at 60M from FOS point 5	27	28	1851.81	1.00
29	46.7656604	13.9257734	Fixed point at 60M from FOS point 5	28	29	895.58	0.48
30	45.8277417	13.4627682	Fixed point from sediment thickness at 1% distance to FOS point 5	29	30	110190.16	59.50
31	44.8516616	13.2160010	Fixed point on Spanish 200M continental shelf limit	30	31	110190.59	59.50