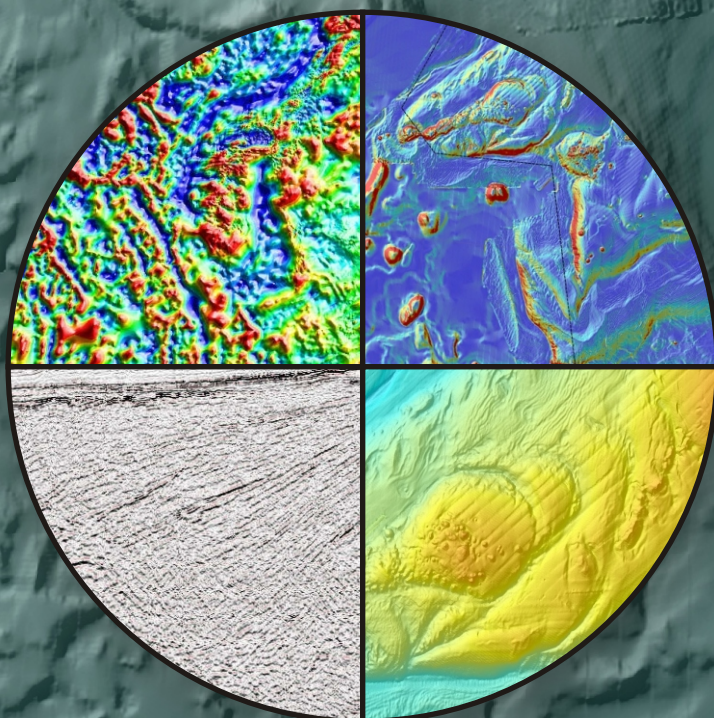




IRELAND

**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 Hatton-Rockall Area**



**PART I
EXECUTIVE SUMMARY**

TABLE OF CONTENTS

1. Introduction	2
2. Outer limits of Ireland’s extended continental shelf in the Hatton-Rockall Area	3
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	4
5. Endpoints of the outer limit, overlapping claims and unresolved maritime boundaries	4
6. Detailed description of the outer limits of Ireland’s extended continental shelf in the Hatton-Rockall Area.....	5
7. State Bodies Responsible for the Preparation of the Continental Shelf Submission of Ireland.....	6

LIST OF FIGURES

Figure 1.1: History of Continental Shelf Designations by Ireland 1968-2009.....	2
Figure 1.2: The outer limits of Ireland’s extended continental shelf in the Hatton-Rockall Area.....	3
Figure 1.3: Zonation of Ireland’s extended continental shelf.....	4
Figure 1.4: Details of the formula lines used to define the outer limit of Ireland’s extended continental shelf in the Hatton-Rockall Area.....	5

APPENDICES

Appendix 1.1: List of coordinates defining the outer limits of Ireland’s extended continental shelf in the Hatton-Rockall Area.....	7
---	---

1. Introduction

Ireland first formally claimed a limited area of continental shelf in 1968 by means of designation by statutory order made pursuant to the Continental Shelf Act 1968. This was followed by a series of westward-progressing continental shelf designations during the 1970s, culminating in the 1976 designation (yellow on map) which reached 25°W. This was subsequently modified by the 1989 designation (Statutory Instrument No. 141 of 1989 - grey on map) which gave effect to the Agreement of 7 November 1988 between Ireland and the UK on delimitation of areas of the continental shelf between the two countries.

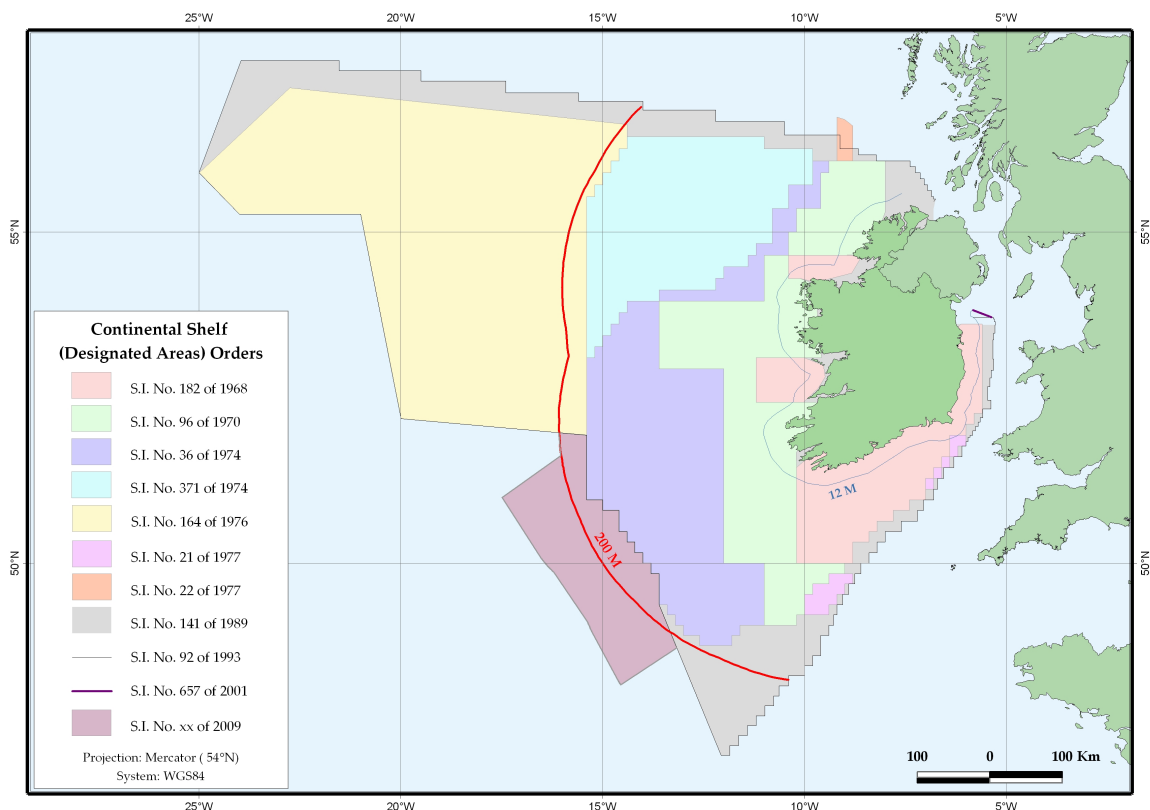


Figure 1.1: History of Continental Shelf Designations by Ireland 1968-2009

Work on preparing Ireland's submission to the United Nations Commission on the Limits of the Continental Shelf (CLCS) began in 1994 with budget sanction given for a Continental Margin seismic survey in 1995 and a Continental Margin bathymetric survey in 1996.

Ireland ratified the 1982 United Nations Convention on the Law of the Sea (UNCLOS) on 21 June 1996 and it entered into force with respect to Ireland on 21 July 1996.

Data processing, analysis, interpretation and compilation continued until 2007, in parallel with two sets of quadrilateral discussions with neighbouring States (Faroe Islands/Denmark, Iceland and the UK to the NW and France, Spain and the UK to the SW).

Separately, Ireland made a submission to the Commission in May 2005 in respect of the area abutting the Porcupine Abyssal Plain. The Commission made its recommendations in respect of this submission in April 2007 and these recommendations have been accepted by the Government of Ireland. The outer limits of the continental shelf in this area were formally established on the basis of these recommendations in 2009 by means of statutory order.

Following agreement between Ireland, France, Spain and the UK, the four States made a joint submission to the Commission in respect of the outer limits of the continental shelf in the area of the Celtic Sea and the Bay of Biscay in May 2006. That submission remains under consideration by the Commission.

2. Outer limits of Ireland's extended continental shelf in the Hatton-Rockall Area

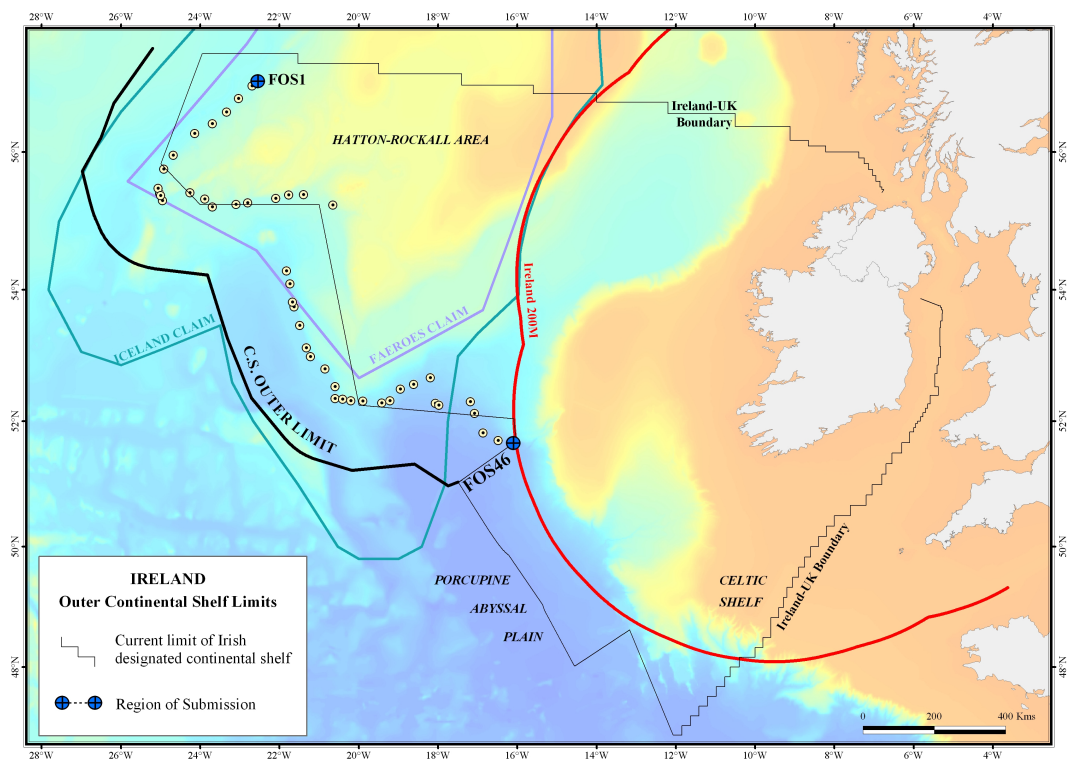


Figure 1.2: The outer limits of Ireland's extended continental shelf in the Hatton-Rockall Area

The current submission deals only with the outer limits of the continental shelf in the Hatton-Rockall Area, from foot of slope (FOS) point 1 to FOS point 46.

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

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

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

Ireland was 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. Endpoints of the outer limit, overlapping claims and unresolved maritime boundaries

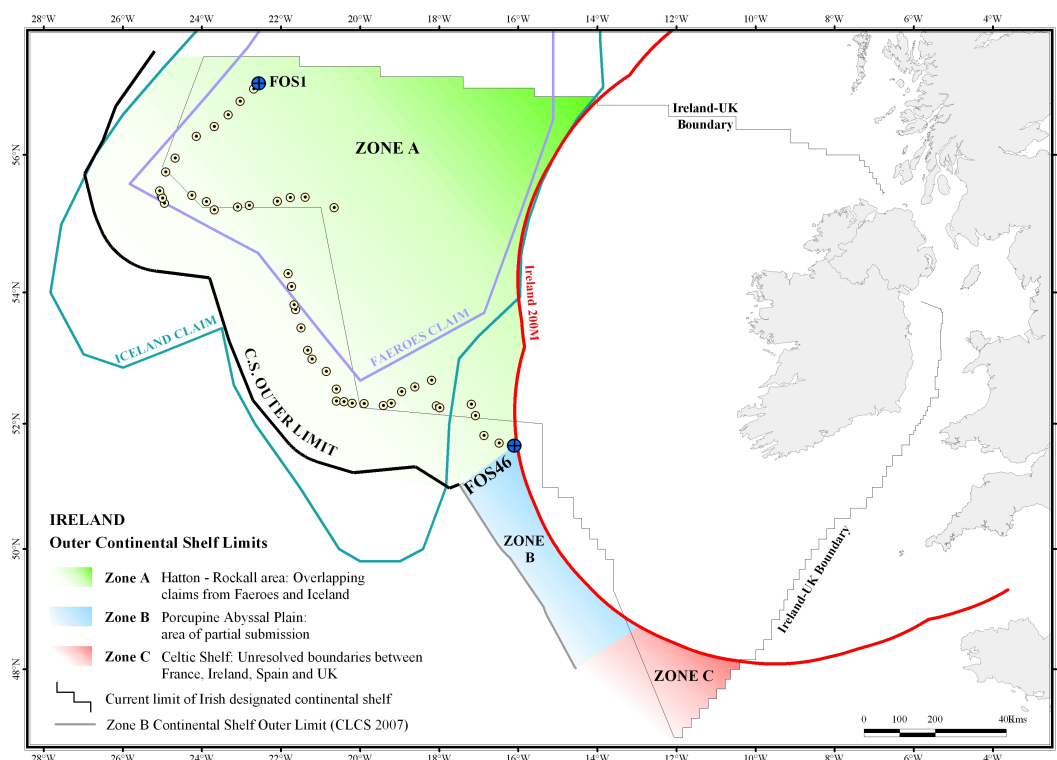


Figure 1.3: Zonation of Ireland's extended continental shelf

Due to ongoing discussions with neighbouring States to the northwest and southwest of the Irish Designated Continental Shelf Area, Ireland had split its submission. This partial submission (for Zone A) is the third and final part of Ireland's complete submission of the limits of its continental shelf.

The starting point (FP 1) of the outer limit line lies on the agreed line of delimitation with the UK, while the end point (FP 129) coincides with the point designated FP number 1 for the purposes of the Porcupine Abyssal Plain submission.

Ireland and the UK agreed a maritime boundary on the continental shelf in this area in 1988 but this has not been accepted by Iceland or the Faroe Islands/Denmark, which also make extensive, overlapping claims. The four countries have met regularly since 2001 in an effort to resolve the issues arising from these overlapping claims but to date have been unable to reach

agreement. Notwithstanding the continuing absence of agreement on these issues among the States concerned, the present submission is made at this time in order to meet the deadline for submissions applicable to Ireland, as understood and reflected in Rule 45 (a) of the Rules of Procedure of the Commission.

6. Detailed description of the outer limits of Ireland's extended continental shelf in the Hatton-Rockall Area

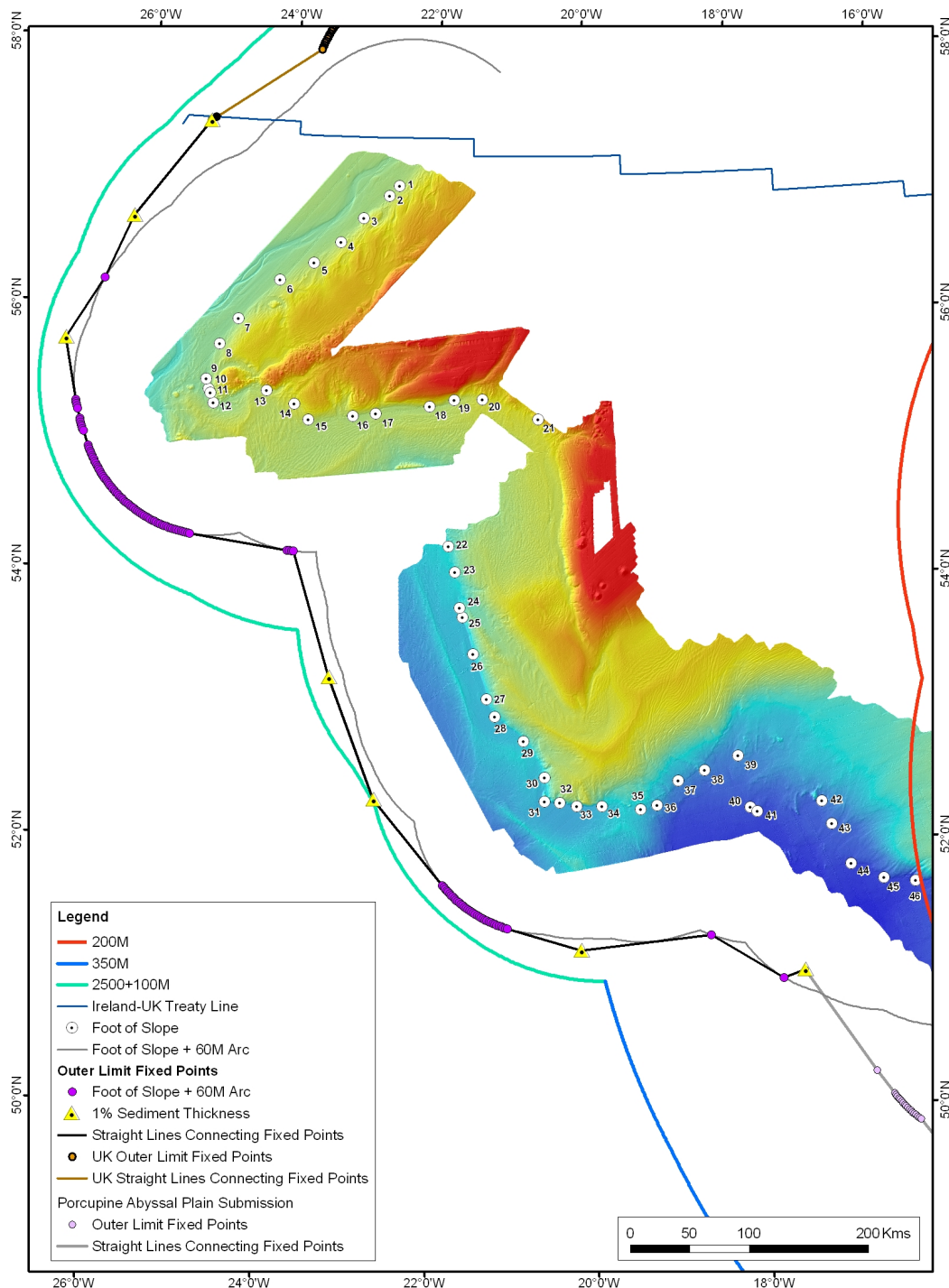


Figure 1.4: Details of the formula lines used to define the outer limit of Ireland's extended continental shelf in the Hatton-Rockall Area

A total of 46 foot of slope points (FOS 1 to FOS 46) have been selected west and south of the Hatton-Rockall margin. From these FOS points an outer limit based on the FOS+60 nautical miles (M) formula (so-called Hedberg formula) has been generated. On six seismic lines (PAD95-01, 02, 03, 07, 08 and 10, corresponding to FOS points 2, 6, 7, 23, 27 and 39 respectively), sufficient sediment thickness has been demonstrated to allow the application of the 1% sediment thickness formula (so-called Gardiner or Irish formula). The final outer limits consist of a series of straight lines, as provided for in the Convention being not more than 60M long, which join combinations of Gardiner and Hedberg points. The coordinates of these points and the lengths of the connecting straight lines are listed in Appendix 1.1.

7. State Bodies Responsible for the Preparation of the Continental Shelf Submission of Ireland

This submission, together with all maps, figures, enclosures, appendices and databases were prepared by the Petroleum Affairs Division of the Department of Communications, Energy and Natural Resources of Ireland, which has statutory responsibility for Ireland's Continental Shelf.

Appendix 1.1: List of coordinates defining the outer limits of Ireland's extended continental shelf in the Hatton-Rockall Area

FP	Latitude N	Longitude W	Method	From FP	To FP	Distance (m)	Distance (M)
1	57.4666664	25.1353827	Point on Ireland-UK delimitation line				
2	57.4412040	25.2012696	Fixed point 29 from UK's HRA submission to the CLCS	1	2	4866.71	2.63
3	56.6860459	26.1816617	Fixed point from sediment thickness at 1% distance to FOS point 7	2	3	103001.22	55.62
4	56.2004480	26.5095850	Fixed point from 60M arc generated from FOS point 8	3	4	57729.91	31.17
5	55.7289127	26.9758578	Fixed point from sediment thickness at 1% distance to FOS point 9	4	5	60035.31	32.42
6	55.2636486	26.7710396	Fixed point from 60M arc generated from FOS point 9	5	6	53392.02	28.83
7	55.2475120	26.7639699	Fixed point from 60M arc generated from FOS point 9	6	7	1851.85	1.00
8	55.2314446	26.7564353	Fixed point from 60M arc generated from FOS point 9	7	8	1851.85	1.00
9	55.2154503	26.7484403	Fixed point from 60M arc generated from FOS point 9	8	9	1851.87	1.00
10	55.1995330	26.7399871	Fixed point from 60M arc generated from FOS point 9	9	10	1851.95	1.00
11	55.1268134	26.6992036	Fixed point from 60M arc generated from FOS point 10	10	11	8502.67	4.59
12	55.1109777	26.6903125	Fixed point from 60M arc generated from FOS point 10	11	12	1851.95	1.00
13	55.0952297	26.6809701	Fixed point from 60M arc generated from FOS point 10	12	13	1851.8	1.00
14	55.0795708	26.6711762	Fixed point from 60M arc generated from FOS point 10	13	14	1852.01	1.00
15	55.0640076	26.6609399	Fixed point from 60M arc generated from FOS point 10	14	15	1851.86	1.00
16	55.0485441	26.6502589	Fixed point from 60M arc generated from FOS point 10	15	16	1851.85	1.00
17	55.0331828	26.6391400	Fixed point from 60M arc generated from FOS point 10	16	17	1851.93	1.00
18	54.9272864	26.5604723	Fixed point from 60M arc generated from FOS point 12	17	18	12819.62	6.92
19	54.9120311	26.5489514	Fixed point from 60M arc generated from FOS point 12	18	19	1851.97	1.00
20	54.8968892	26.5369993	Fixed point from 60M arc generated from FOS point 12	19	20	1851.79	1.00
21	54.8818619	26.5246183	Fixed point from 60M arc generated from FOS point 12	20	21	1851.94	1.00
22	54.8669547	26.5118150	Fixed point from 60M arc generated from FOS point 12	21	22	1851.87	1.00
23	54.8521702	26.4985941	Fixed point from 60M arc generated from FOS point 12	22	23	1851.91	1.00
24	54.8375137	26.4849554	Fixed point from 60M arc generated from FOS point 12	23	24	1851.94	1.00
25	54.8229894	26.4709080	Fixed point from 60M arc generated from FOS point 12	24	25	1851.8	1.00
26	54.8085999	26.4564519	Fixed point from 60M arc generated from FOS point 12	25	26	1851.91	1.00
27	54.7943506	26.4415915	Fixed point from 60M arc generated from FOS point 12	26	27	1851.87	1.00

28	54.7802430	26.4263358	Fixed point from 60M arc generated from FOS point 12	27	28	1851.9	1.00
29	54.7662836	26.4106849	Fixed point from 60M arc generated from FOS point 12	28	29	1851.82	1.00
30	54.7524739	26.3946433	Fixed point from 60M arc generated from FOS point 12	29	30	1851.95	1.00
31	54.7388181	26.3782198	Fixed point from 60M arc generated from FOS point 12	30	31	1851.88	1.00
32	54.7253214	26.3614146	Fixed point from 60M arc generated from FOS point 12	31	32	1851.84	1.00
33	54.7119853	26.3442343	Fixed point from 60M arc generated from FOS point 12	32	33	1851.92	1.00
34	54.6988139	26.3266835	Fixed point from 60M arc generated from FOS point 12	33	34	1851.96	1.00
35	54.6858126	26.3087688	Fixed point from 60M arc generated from FOS point 12	34	35	1851.78	1.00
36	54.6729815	26.2904926	Fixed point from 60M arc generated from FOS point 12	35	36	1851.99	1.00
37	54.6603273	26.2718638	Fixed point from 60M arc generated from FOS point 12	36	37	1851.77	1.00
38	54.6478501	26.2528846	Fixed point from 60M arc generated from FOS point 12	37	38	1851.95	1.00
39	54.6355567	26.2335596	Fixed point from 60M arc generated from FOS point 12	38	39	1851.86	1.00
40	54.6234472	26.2138978	Fixed point from 60M arc generated from FOS point 12	39	40	1851.89	1.00
41	54.6115270	26.1939013	Fixed point from 60M arc generated from FOS point 12	40	41	1851.88	1.00
42	54.5997976	26.1735769	Fixed point from 60M arc generated from FOS point 12	41	42	1851.95	1.00
43	54.5882644	26.1529313	Fixed point from 60M arc generated from FOS point 12	42	43	1851.79	1.00
44	54.5769274	26.1319669	Fixed point from 60M arc generated from FOS point 12	43	44	1852.02	1.00
45	54.5657922	26.1106948	Fixed point from 60M arc generated from FOS point 12	44	45	1851.79	1.00
46	54.5548602	26.0891173	Fixed point from 60M arc generated from FOS point 12	45	46	1851.85	1.00
47	54.5441341	26.0672388	Fixed point from 60M arc generated from FOS point 12	46	47	1852	1.00
48	54.5336181	26.0450684	Fixed point from 60M arc generated from FOS point 12	47	48	1851.89	1.00
49	54.5233149	26.0226127	Fixed point from 60M arc generated from FOS point 12	48	49	1851.76	1.00
50	54.5132247	25.9998741	Fixed point from 60M arc generated from FOS point 12	49	50	1851.99	1.00
51	54.5033542	25.9768615	Fixed point from 60M arc generated from FOS point 12	50	51	1851.8	1.00
52	54.4937023	25.9535795	Fixed point from 60M arc generated from FOS point 12	51	52	1851.95	1.00
53	54.4842729	25.9300369	Fixed point from 60M arc generated from FOS point 12	52	53	1851.86	1.00
54	54.4750689	25.9062382	Fixed point from 60M arc generated from FOS point 12	53	54	1851.85	1.00
55	54.4660918	25.8821881	Fixed point from 60M arc generated from FOS point 12	54	55	1851.99	1.00
56	54.4573456	25.8578977	Fixed point from 60M arc generated from FOS point 12	55	56	1851.77	1.00
57	54.4488305	25.8333692	Fixed point from 60M arc generated from FOS point 12	56	57	1851.91	1.00

58	54.4405506	25.8086093	Fixed point from 60M arc generated from FOS point 12	57	58	1851.93	1.00
59	54.4325059	25.7836272	Fixed point from 60M arc generated from FOS point 12	58	59	1851.93	1.00
60	54.4247007	25.7584294	Fixed point from 60M arc generated from FOS point 12	59	60	1851.81	1.00
61	54.4171349	25.7330206	Fixed point from 60M arc generated from FOS point 12	60	61	1851.92	1.00
62	54.4098126	25.7074074	Fixed point from 60M arc generated from FOS point 12	61	62	1851.92	1.00
63	54.4027354	25.6815988	Fixed point from 60M arc generated from FOS point 12	62	63	1851.82	1.00
64	54.3959034	25.6555993	Fixed point from 60M arc generated from FOS point 12	63	64	1851.93	1.00
65	54.3893192	25.6294179	Fixed point from 60M arc generated from FOS point 12	64	65	1851.87	1.00
66	54.3829856	25.6030591	Fixed point from 60M arc generated from FOS point 12	65	66	1851.91	1.00
67	54.3769028	25.5765318	Fixed point from 60M arc generated from FOS point 12	66	67	1851.89	1.00
68	54.3710734	25.5498429	Fixed point from 60M arc generated from FOS point 12	67	68	1851.83	1.00
69	54.3654990	25.5229967	Fixed point from 60M arc generated from FOS point 12	68	69	1851.93	1.00
70	54.3601795	25.4960046	Fixed point from 60M arc generated from FOS point 12	69	70	1851.82	1.00
71	54.3551178	25.4688687	Fixed point from 60M arc generated from FOS point 12	70	71	1851.96	1.00
72	54.3503152	25.4416004	Fixed point from 60M arc generated from FOS point 12	71	72	1851.83	1.00
73	54.3457718	25.4142040	Fixed point from 60M arc generated from FOS point 12	72	73	1851.91	1.00
74	54.3414904	25.3866886	Fixed point from 60M arc generated from FOS point 12	73	74	1851.82	1.00
75	54.3374696	25.3590587	Fixed point from 60M arc generated from FOS point 12	74	75	1851.97	1.00
76	54.3337136	25.3313254	Fixed point from 60M arc generated from FOS point 12	75	76	1851.79	1.00
77	54.3302211	25.3034911	Fixed point from 60M arc generated from FOS point 12	76	77	1851.97	1.00
78	54.3269934	25.2755670	Fixed point from 60M arc generated from FOS point 12	77	78	1851.88	1.00
79	54.3240319	25.2475598	Fixed point from 60M arc generated from FOS point 12	78	79	1851.81	1.00
80	54.3213368	25.2194740	Fixed point from 60M arc generated from FOS point 12	79	80	1851.93	1.00
81	54.3189093	25.1913185	Fixed point from 60M arc generated from FOS point 12	80	81	1851.94	1.00
82	54.3167495	25.1631024	Fixed point from 60M arc generated from FOS point 12	81	82	1851.84	1.00
83	54.2240231	23.9002755	Fixed point from 60M arc generated from FOS point 15	82	83	82917.03	44.77
84	54.2221320	23.8720684	Fixed point from 60M arc generated from FOS point 15	83	84	1851.8	1.00
85	54.2205094	23.8438119	Fixed point from 60M arc generated from FOS point 15	84	85	1851.93	1.00
86	54.2191578	23.8155150	Fixed point from 60M arc generated from FOS point 15	85	86	1851.92	1.00
87	53.2736209	23.3167434	Fixed point from sediment thickness at 1% distance to FOS point 25	86	87	110262.27	59.54

88	52.3601196	22.7160736	Fixed point from sediment thickness at 1% distance to FOS point 28	87	88	109425.7	59.09
89	51.7193931	21.8492106	Fixed point from 60M arc generated from FOS point 31	88	89	92846.21	50.13
90	51.7067103	21.8318574	Fixed point from 60M arc generated from FOS point 31	89	90	1851.96	1.00
91	51.6942068	21.8141763	Fixed point from 60M arc generated from FOS point 31	90	91	1851.91	1.00
92	51.6818855	21.7961718	Fixed point from 60M arc generated from FOS point 31	91	92	1851.91	1.00
93	51.6697507	21.7778507	Fixed point from 60M arc generated from FOS point 31	92	93	1851.75	1.00
94	51.6578026	21.7592151	Fixed point from 60M arc generated from FOS point 31	93	94	1851.97	1.00
95	51.6460470	21.7402719	Fixed point from 60M arc generated from FOS point 31	94	95	1851.9	1.00
96	51.6344853	21.7210278	Fixed point from 60M arc generated from FOS point 31	95	96	1851.9	1.00
97	51.6231234	21.7014849	Fixed point from 60M arc generated from FOS point 31	96	97	1851.83	1.00
98	51.6119614	21.6816501	Fixed point from 60M arc generated from FOS point 31	97	98	1851.91	1.00
99	51.6010022	21.6615301	Fixed point from 60M arc generated from FOS point 31	98	99	1851.93	1.00
100	51.5902515	21.6411294	Fixed point from 60M arc generated from FOS point 31	99	100	1851.8	1.00
101	51.5797096	21.6204524	Fixed point from 60M arc generated from FOS point 31	100	101	1851.91	1.00
102	51.5693794	21.5995059	Fixed point from 60M arc generated from FOS point 31	101	102	1851.95	1.00
103	51.5592652	21.5782967	Fixed point from 60M arc generated from FOS point 31	102	103	1851.83	1.00
104	51.5493685	21.5568292	Fixed point from 60M arc generated from FOS point 31	103	104	1851.85	1.00
105	51.5396924	21.5351079	Fixed point from 60M arc generated from FOS point 31	104	105	1851.92	1.00
106	51.5302383	21.5131419	Fixed point from 60M arc generated from FOS point 31	105	106	1851.88	1.00
107	51.5210106	21.4909355	Fixed point from 60M arc generated from FOS point 31	106	107	1851.81	1.00
108	51.5120108	21.4684934	Fixed point from 60M arc generated from FOS point 31	107	108	1851.87	1.00
109	51.5032406	21.4458221	Fixed point from 60M arc generated from FOS point 31	108	109	1851.95	1.00
110	51.4947027	21.4229286	Fixed point from 60M arc generated from FOS point 31	109	110	1851.95	1.00
111	51.4864002	21.3998194	Fixed point from 60M arc generated from FOS point 31	110	111	1851.87	1.00
112	51.4783345	21.3765014	Fixed point from 60M arc generated from FOS point 31	111	112	1851.8	1.00
113	51.4705073	21.3529768	Fixed point from 60M arc generated from FOS point 31	112	113	1851.99	1.00
114	51.4629214	21.3292567	Fixed point from 60M arc generated from FOS point 31	113	114	1851.84	1.00
115	51.4555784	21.3053436	Fixed point from 60M arc generated from FOS point 31	114	115	1851.95	1.00
116	51.4484812	21.2812463	Fixed point from 60M arc generated from FOS point 31	115	116	1851.86	1.00
117	51.4416298	21.2569716	Fixed point from 60M arc generated from FOS point 31	116	117	1851.83	1.00

118	51.4350287	21.2325239	Fixed point from 60M arc generated from FOS point 31	117	118	1851.81	1.00
119	51.4286766	21.2079101	Fixed point from 60M arc generated from FOS point 31	118	119	1851.89	1.00
120	51.4225762	21.1831368	Fixed point from 60M arc generated from FOS point 31	119	120	1851.92	1.00
121	51.4167307	21.1582108	Fixed point from 60M arc generated from FOS point 31	120	121	1851.87	1.00
122	51.4111400	21.1331388	Fixed point from 60M arc generated from FOS point 31	121	122	1851.87	1.00
123	51.4058056	21.1079276	Fixed point from 60M arc generated from FOS point 31	122	123	1851.86	1.00
124	51.4007291	21.0825816	Fixed point from 60M arc generated from FOS point 31	123	124	1851.98	1.00
125	51.3959120	21.0571121	Fixed point from 60M arc generated from FOS point 31	124	125	1851.8	1.00
126	51.2282887	20.1719123	Fixed point from sediment thickness at 1% distance to FOS point 33	125	126	64476.49	34.81
127	51.3259320	18.6003905	Fixed point from 60M arc generated from FOS point 41	126	127	110193.36	59.50
128	50.9827447	17.7464655	Fixed point from 60M arc generated from FOS point 44	127	128	70901.44	38.28
129	51.0369536	17.4934128	Fixed Point No.1 from Ireland's PAP Submission	128	129	18755.91	10.13