

Partial 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 th Sea in respect of the area of Saint-Pierre-et-Miquelon

Part 1

Executive Summary
English Translation of the French Original

| Satellite image of<br>Saint-Pierre-et-<br>Miquelon |        |                         |                           |       | Light h<br>Saint- | Light house of<br>Saint-Pierre |                          |
|--|--------|-------------------------|---------------------------|-------|-------------------|--------------------------------|--------------------------|
|  | L'Atal | ante, ocean<br>vessel o | ographic res<br>f Ifremer | earch |                   |                                |                          |
| Cathedral of<br>Saint-Pierre                       |        |                         |                           |       |                   | Satellit                       | e image<br>of<br>-Pierre |

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1 Introduction

The Government of the French Republic has the honor to submit to the Commission on the

Limits of the Continental Shelf its submission related to the continental shelf of the overseas

territory of the Saint-Pierre-et-Miquelon archipelago.

This follows the lodging, by France, with the Secretary General of the United Nations on 8

May 2009 of preliminary information indicative of the outer limits of the continental shelf of

Saint-Pierre-et-Miquelon, in accordance with the decision adopted by the Meeting of States

Parties and contained in SPLOS/183.

This submission is presented in accordance with Article 76, paragraph 8 of the United Nations

Convention on the Law of the Sea to determine, in respect of the overseas territory of Saint-

Pierre-et-Miquelon, the outer edge of the continental margin and the outer limit of the

continental shelf.

This is a partial submission, in accordance with paragraph 3 of Annex I of the Rules of

Procedure of the Commission, additional to a series of partial submissions made by France

since 2006 and future submissions.

2 The continental shelf

The continental shelf of Saint-Pierre-et-Miquelon is located on the margin of the central North

Atlantic Ocean (Figure 1). This passive continental margin is shared with Canada and the

United States of America, and is the result of the separation of North American and African

tectonic plates, preceded by a period of rifting initiated during the Triassic.

The sedimentation along the margin off Saint-Pierre-et-Miquelon is strongly influenced by

the effect of glaciers and, since at least the Upper Pliocene, by the formation of a delta at the

mouth of the Laurentian Channel, which generates significant sediment accumulations at the

foot of the slope and in the abyssal plain.

With reference to Article 76, paragraphs 4 to 10 and applying the approach described in the

Scientific and Technical Guidelines of the Commission (CLCS/11) leading to the delimitation

of the continental shelf, France is able to validate the test of appurtenance, demonstrate

natural prolongation and determine the base of the slope.

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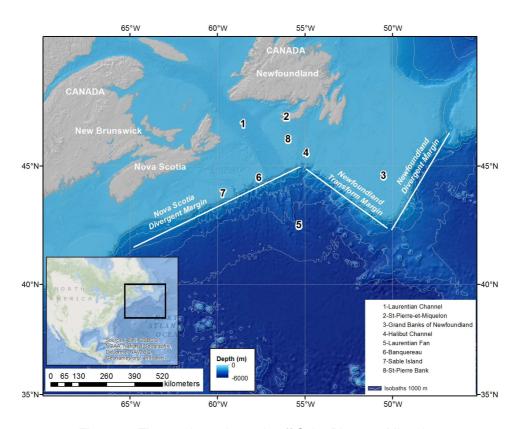


Figure 1 : The continental margin off Saint-Pierre-et-Miquelon (Passive margin formed during the opening of the central North Atlantic Ocean)

# 3 Provisions invoked in this partial submission

The outer limit of the continental shelf described in this document is based on the provisions of Article 76, paragraphs 1, 4 (a) (i), 4 (b), 5 and 7 of the Convention.

# 4 Assistance provided by members of the Commission

Mr. Walter R. Roest, elected to the Commission on the Limits of the Continental Shelf in June 2012, has assisted in the preparation of this submission.

#### 5 Relation with other States

Party to the UN Convention on the Law of the Sea by its ratification on 11 April 1996, France intends to invoke the provisions of Article 76, paragraph 1, which gives the continental shelf the following definition: "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". France also intends to invoke the provisions of Article 77 of the Convention which enshrine the rights of the coastal State over the continental shelf. These rights are qualified as sovereign and do not "depend on occupation, effective or notional, or on any express proclamation" (Article 77, paragraph 3).

On the basis of these provisions, France has decided to resort to the procedure adopted by the Meeting of States Parties to the Convention in its decision SPLOS/183 of 20 June 2008: On 8 May 2009, by letter addressed to the Secretary-General of the United-Nations, France provided preliminary information indicative of the outer limits of the continental shelf off the archipelago of Saint-Pierre-et-Miquelon.

By diplomatic note dated 9 November 2009 addressed to the Secretary General of the United Nations, Canada has rejected "any claim by the French Republic to any maritime area, including any areas of continental shelf" in this region by referring to the decision of the Court of Arbitration dated 10 June 1992 in the "Case concerning the delimitation of maritime areas between Canada and the French Republic". France notes that, in this decision, the Court noted that the refusal to rule on a French request for extension "cannot signify nor may be interpreted as prejudging, accepting or refusing the rights that may be claimed by France [...] to a continental shelf beyond 200 nautical miles" (§ 80).

Linking the position of Canada and its submission as it relates the region of Nova Scotia, lodged on 6 December 2013 with the Commission on the Limits of the Continental Shelf on the one hand, and this submission from France concerning the extension of the continental shelf off the archipelago of Saint-Pierre-et-Miquelon on the other hand, reveals the existence of a maritime dispute.

In this context, France endorses, with a view to its application, the provision of the Rules of Procedure of the Commission for this kind of situation: "In cases where a land or maritime dispute exists, the Commission shall not consider and qualify a submission made by any of the States concerned in the dispute. However, the Commission may consider one or more submissions in the areas under dispute with prior consent given by all States that are parties to such a dispute" (Rules of Procedure, Annex I, Paragraph 5).

Pending the emergence of such an agreement between the parties, France confirms that there is a maritime dispute, resulting from an overlap of areas of extended continental shelf between Canada and France. It also reiterates its attachment to the rule laid down by the Commission recognizing "that the competence with respect to matters regarding disputes which may arise in connection with the establishment of the outer limits of the continental shelf rests with States" (Rules of Procedure, Annex I, Paragraph 1).

### 6 Description of the outer limit of the continental shelf

The outer edge of the continental margin off Saint-Pierre-et-Miquelon relies on the provisions of paragraph 4 (a) (i) of Article 76 (Gardiner formula). The points constituting the Gardiner line are located beyond 350 nautical miles from the baselines of Saint-Pierre-et-Miquelon. With reference to paragraph 5 of Article 76, this constraint is the only constraint applied in this submission.

The outer limit of the continental shelf in the area that is the subject of this submission finally consists of 184 fixed points defined by coordinates of latitude and longitude connected by straight lines not exceeding 60 nautical miles in length, and located on the line of 350 nautical miles from the baselines from which the breadth of the territorial sea of Saint-Pierre-et-Miquelon is measured (Figure 2 and Table 1).

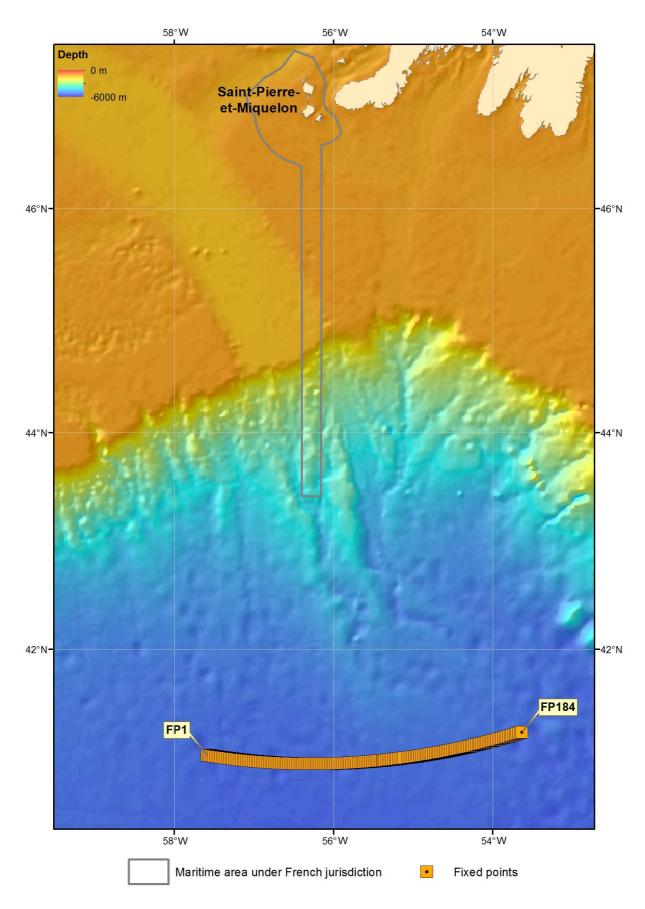


Figure 2 : Fixed points of the outer limit of the continental shelf of Saint-Pierre-et-Miquelon (Projection Mercator, Bathymetry Etopo)

# 7 Public Institutes responsible for the preparation of the submission

EXTRAPLAC is a multi-year national program for the extension of the continental shelf, funded by the French government and executed by a consortium composed of the French Research Institute for Exploitation of the Sea (Ifremer), the Hydrographic and Oceanographic Service of the Navy (SHOM), IFP Energies Nouvelles (IFPEN) and the French Polar Institute Paul Emile Victor (IPEV), coordinated by the General Secretariat of the Sea.

| The French Continental Shelf |  |
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# Annex 1 : Outer limit of the continental shelf of Saint-Pierre-et-Miquelon

Table 1 : List of coordinates defining the outer limit of the continental shelf of Saint-Pierre-et-Miquelon

All coordinates are expressed in degrees in the WGS 84 datum

| Fixed<br>Point<br>(FP) | Latitude<br>° N | Longitude<br>° W | Method, Article 76                        | From<br>FP | To<br>FP | Distance<br>(meters) | Distance<br>(Miles) |
|------------------------|-----------------|------------------|---|------------|----------|----------------------|---------------------|
| 001                    | 40.9991682      | 57.5905241       | Fixed Point at 350M from baselines, 76(5) |            |          | 0                    | 0.000               |
| 002                    | 40.9990669      | 57.5897121       | Fixed Point at 350M from baselines, 76(5) | 001        | 002      | 69                   | 0.037               |
| 003                    | 40.9964051      | 57.5680213       | Fixed Point at 350M from baselines, 76(5) | 002        | 003      | 1849                 | 0.998               |
| 004                    | 40.9937859      | 57.5463222       | Fixed Point at 350M from baselines, 76(5) | 003        | 004      | 1849                 | 0.998               |
| 005                    | 40.9912094      | 57.5246151       | Fixed Point at 350M from baselines, 76(5) | 004        | 005      | 1849                 | 0.998               |
| 006                    | 40.9886755      | 57.5029002       | Fixed Point at 350M from baselines, 76(5) | 005        | 006      | 1849                 | 0.998               |
| 007                    | 40.9861844      | 57.4811774       | Fixed Point at 350M from baselines, 76(5) | 006        | 007      | 1849                 | 0.998               |
| 800                    | 40.9837359      | 57.4594470       | Fixed Point at 350M from baselines, 76(5) | 007        | 800      | 1849                 | 0.998               |
| 009                    | 40.9813302      | 57.4377091       | Fixed Point at 350M from baselines, 76(5) | 800        | 009      | 1849                 | 0.998               |
| 010                    | 40.9789672      | 57.4159638       | Fixed Point at 350M from baselines, 76(5) | 009        | 010      | 1849                 | 0.998               |
| 011                    | 40.9766469      | 57.3942112       | Fixed Point at 350M from baselines, 76(5) | 010        | 011      | 1849                 | 0.998               |
| 012                    | 40.9743694      | 57.3724516       | Fixed Point at 350M from baselines, 76(5) | 011        | 012      | 1849                 | 0.998               |
| 013                    | 40.9721346      | 57.3506849       | Fixed Point at 350M from baselines, 76(5) | 012        | 013      | 1849                 | 0.998               |
| 014                    | 40.9699427      | 57.3289115       | Fixed Point at 350M from baselines, 76(5) | 013        | 014      | 1849                 | 0.998               |
| 015                    | 40.9677936      | 57.3071313       | Fixed Point at 350M from baselines, 76(5) | 014        | 015      | 1849                 | 0.998               |
| 016                    | 40.9656872      | 57.2853445       | Fixed Point at 350M from baselines, 76(5) | 015        | 016      | 1849                 | 0.998               |
| 017                    | 40.9636237      | 57.2635513       | Fixed Point at 350M from baselines, 76(5) | 016        | 017      | 1849                 | 0.998               |

| Fixed<br>Point<br>(FP) | Latitude<br>° N | Longitude<br>° W | Method, Article 76                        | From<br>FP | To<br>FP | Distance<br>(meters) | Distance<br>(Miles) |
|------------------------|-----------------|------------------|---|------------|----------|----------------------|---------------------|
| 018                    | 40.9616031      | 57.2417518       | Fixed Point at 350M from baselines, 76(5) | 017        | 018      | 1849                 | 0.998               |
| 019                    | 40.9596253      | 57.2199461       | Fixed Point at 350M from baselines, 76(5) | 018        | 019      | 1849                 | 0.998               |
| 020                    | 40.9576903      | 57.1981343       | Fixed Point at 350M from baselines, 76(5) | 019        | 020      | 1849                 | 0.998               |
| 021                    | 40.9557983      | 57.1763166       | Fixed Point at 350M from baselines, 76(5) | 020        | 021      | 1849                 | 0.998               |
| 022                    | 40.9539491      | 57.1544932       | Fixed Point at 350M from baselines, 76(5) | 021        | 022      | 1849                 | 0.998               |
| 023                    | 40.9521428      | 57.1326641       | Fixed Point at 350M from baselines, 76(5) | 022        | 023      | 1849                 | 0.998               |
| 024                    | 40.9503795      | 57.1108295       | Fixed Point at 350M from baselines, 76(5) | 023        | 024      | 1849                 | 0.998               |
| 025                    | 40.9486590      | 57.0889895       | Fixed Point at 350M from baselines, 76(5) | 024        | 025      | 1849                 | 0.998               |
| 026                    | 40.9469815      | 57.0671442       | Fixed Point at 350M from baselines, 76(5) | 025        | 026      | 1849                 | 0.998               |
| 027                    | 40.9453470      | 57.0452939       | Fixed Point at 350M from baselines, 76(5) | 026        | 027      | 1849                 | 0.998               |
| 028                    | 40.9437554      | 57.0234385       | Fixed Point at 350M from baselines, 76(5) | 027        | 028      | 1849                 | 0.998               |
| 029                    | 40.9422068      | 57.0015783       | Fixed Point at 350M from baselines, 76(5) | 028        | 029      | 1849                 | 0.998               |
| 030                    | 40.9407011      | 56.9797134       | Fixed Point at 350M from baselines, 76(5) | 029        | 030      | 1849                 | 0.998               |
| 031                    | 40.9392385      | 56.9578439       | Fixed Point at 350M from baselines, 76(5) | 030        | 031      | 1849                 | 0.998               |
| 032                    | 40.9378188      | 56.9359700       | Fixed Point at 350M from baselines, 76(5) | 031        | 032      | 1849                 | 0.998               |
| 033                    | 40.9364421      | 56.9140917       | Fixed Point at 350M from baselines, 76(5) | 032        | 033      | 1849                 | 0.998               |
| 034                    | 40.9351084      | 56.8922092       | Fixed Point at 350M from baselines, 76(5) | 033        | 034      | 1849                 | 0.998               |
| 035                    | 40.9338178      | 56.8703227       | Fixed Point at 350M from baselines, 76(5) | 034        | 035      | 1849                 | 0.998               |
| 036                    | 40.9325702      | 56.8484323       | Fixed Point at 350M from baselines, 76(5) | 035        | 036      | 1849                 | 0.998               |
| 037                    | 40.9313656      | 56.8265381       | Fixed Point at 350M from baselines, 76(5) | 036        | 037      | 1849                 | 0.998               |
| 038                    | 40.9302041      | 56.8046402       | Fixed Point at 350M from baselines, 76(5) | 037        | 038      | 1849                 | 0.998               |
| 039                    | 40.9290856      | 56.7827388       | Fixed Point at 350M from baselines, 76(5) | 038        | 039      | 1849                 | 0.998               |

| Fixed<br>Point<br>(FP) | Latitude<br>° N | Longitude<br>° W | Method, Article 76                        | From<br>FP | To<br>FP | Distance<br>(meters) | Distance<br>(Miles) |
|------------------------|-----------------|------------------|---|------------|----------|----------------------|---------------------|
| 040                    | 40.9280101      | 56.7608341       | Fixed Point at 350M from baselines, 76(5) | 039        | 040      | 1849                 | 0.998               |
| 041                    | 40.9269778      | 56.7389261       | Fixed Point at 350M from baselines, 76(5) | 040        | 041      | 1849                 | 0.998               |
| 042                    | 40.9259885      | 56.7170149       | Fixed Point at 350M from baselines, 76(5) | 041        | 042      | 1849                 | 0.998               |
| 043                    | 40.9250423      | 56.6951008       | Fixed Point at 350M from baselines, 76(5) | 042        | 043      | 1849                 | 0.998               |
| 044                    | 40.9241391      | 56.6731838       | Fixed Point at 350M from baselines, 76(5) | 043        | 044      | 1849                 | 0.998               |
| 045                    | 40.9232791      | 56.6512641       | Fixed Point at 350M from baselines, 76(5) | 044        | 045      | 1849                 | 0.998               |
| 046                    | 40.9224621      | 56.6293418       | Fixed Point at 350M from baselines, 76(5) | 045        | 046      | 1849                 | 0.998               |
| 047                    | 40.9216883      | 56.6074170       | Fixed Point at 350M from baselines, 76(5) | 046        | 047      | 1849                 | 0.998               |
| 048                    | 40.9209575      | 56.5854900       | Fixed Point at 350M from baselines, 76(5) | 047        | 048      | 1849                 | 0.998               |
| 049                    | 40.9202699      | 56.5635607       | Fixed Point at 350M from baselines, 76(5) | 048        | 049      | 1849                 | 0.998               |
| 050                    | 40.9196253      | 56.5416294       | Fixed Point at 350M from baselines, 76(5) | 049        | 050      | 1849                 | 0.998               |
| 051                    | 40.9190239      | 56.5196962       | Fixed Point at 350M from baselines, 76(5) | 050        | 051      | 1849                 | 0.998               |
| 052                    | 40.9184656      | 56.4977611       | Fixed Point at 350M from baselines, 76(5) | 051        | 052      | 1849                 | 0.998               |
| 053                    | 40.9179504      | 56.4758244       | Fixed Point at 350M from baselines, 76(5) | 052        | 053      | 1849                 | 0.998               |
| 054                    | 40.9174784      | 56.4538862       | Fixed Point at 350M from baselines, 76(5) | 053        | 054      | 1849                 | 0.998               |
| 055                    | 40.9170495      | 56.4319466       | Fixed Point at 350M from baselines, 76(5) | 054        | 055      | 1849                 | 0.998               |
| 056                    | 40.9166637      | 56.4100058       | Fixed Point at 350M from baselines, 76(5) | 055        | 056      | 1849                 | 0.998               |
| 057                    | 40.9163210      | 56.3880638       | Fixed Point at 350M from baselines, 76(5) | 056        | 057      | 1849                 | 0.998               |
| 058                    | 40.9160215      | 56.3661208       | Fixed Point at 350M from baselines, 76(5) | 057        | 058      | 1849                 | 0.998               |
| 059                    | 40.9157651      | 56.3441770       | Fixed Point at 350M from baselines, 76(5) | 058        | 059      | 1849                 | 0.998               |
| 060                    | 40.9155519      | 56.3222325       | Fixed Point at 350M from baselines, 76(5) | 059        | 060      | 1849                 | 0.998               |
| 061                    | 40.9153818      | 56.3002873       | Fixed Point at 350M from baselines, 76(5) | 060        | 061      | 1849                 | 0.998               |

| Fixed<br>Point<br>(FP) | Latitude<br>° N | Longitude<br>° W | Method, Article 76                        | From<br>FP | To<br>FP | Distance<br>(meters) | Distance<br>(Miles) |
|------------------------|-----------------|------------------|---|------------|----------|----------------------|---------------------|
| 062                    | 40.9152549      | 56.2783417       | Fixed Point at 350M from baselines, 76(5) | 061        | 062      | 1849                 | 0.998               |
| 063                    | 40.9151710      | 56.2563958       | Fixed Point at 350M from baselines, 76(5) | 062        | 063      | 1849                 | 0.998               |
| 064                    | 40.9151304      | 56.2344497       | Fixed Point at 350M from baselines, 76(5) | 063        | 064      | 1849                 | 0.998               |
| 065                    | 40.9151329      | 56.2125035       | Fixed Point at 350M from baselines, 76(5) | 064        | 065      | 1849                 | 0.998               |
| 066                    | 40.9151785      | 56.1905574       | Fixed Point at 350M from baselines, 76(5) | 065        | 066      | 1849                 | 0.998               |
| 067                    | 40.9152672      | 56.1686115       | Fixed Point at 350M from baselines, 76(5) | 066        | 067      | 1849                 | 0.998               |
| 068                    | 40.9153992      | 56.1466659       | Fixed Point at 350M from baselines, 76(5) | 067        | 068      | 1849                 | 0.998               |
| 069                    | 40.9155742      | 56.1247209       | Fixed Point at 350M from baselines, 76(5) | 068        | 069      | 1849                 | 0.998               |
| 070                    | 40.9157924      | 56.1027764       | Fixed Point at 350M from baselines, 76(5) | 069        | 070      |                      | 0.998               |
| 071                    | 40.9160537      | 56.0808326       | Fixed Point at 350M from baselines, 76(5) | 070        | 071      | 1849                 | 0.998               |
| 072                    | 40.9163582      | 56.0588898       | Fixed Point at 350M from baselines, 76(5) | 071        | 072      | 1849                 | 0.998               |
| 073                    | 40.9167058      | 56.0369479       | Fixed Point at 350M from baselines, 76(5) | 072        | 073      | 1849                 | 0.998               |
| 074                    | 40.9170965      | 56.0150072       | Fixed Point at 350M from baselines, 76(5) | 073        | 074      | 1849                 | 0.998               |
| 075                    | 40.9175304      |                  | Fixed Point at 350M from baselines, 76(5) | 074        | 075      | 1849                 | 0.998               |
| 076                    | 40.9180074      | 55.9711297       | Fixed Point at 350M from baselines, 76(5) | 075        |          | 1849                 | 0.998               |
| 077                    | 40.9185276      | 55.9491932       | Fixed Point at 350M from baselines, 76(5) | 076        | 077      | 1849                 | 0.998               |
| 078                    | 40.9190908      | 55.9272584       | Fixed Point at 350M from baselines, 76(5) | 077        | 078      | 1849                 | 0.998               |
| 079                    | 40.9196972      | 55.9053254       | Fixed Point at 350M from baselines, 76(5) | 078        | 079      | 1849                 | 0.998               |
| 080                    | 40.9203467      | 55.8833943       | Fixed Point at 350M from baselines, 76(5) | 079        | 080      |                      | 0.998               |
| 081                    | 40.9210393      | 55.8614653       | Fixed Point at 350M from baselines, 76(5) | 080        | 081      |                      | 0.998               |
| 082                    | 40.9217750      | 55.8395385       | Fixed Point at 350M from baselines, 76(5) | 081        | 082      | 1849                 | 0.998               |
| 083                    | 40.9225538      | 55.8176140       | Fixed Point at 350M from baselines, 76(5) | 082        | 083      | 1849                 | 0.998               |

| Fixed<br>Point<br>(FP) | Latitude<br>° N | Longitude<br>° W | Method, Article 76                        | From<br>FP | To<br>FP | Distance<br>(meters) | Distance<br>(Miles) |
|------------------------|-----------------|------------------|---|------------|----------|----------------------|---------------------|
| 084                    | 40.9233757      | 55.7956920       | Fixed Point at 350M from baselines, 76(5) | 083        | 084      | 1849                 | 0.998               |
| 085                    | 40.9242407      | 55.7737726       | Fixed Point at 350M from baselines, 76(5) | 084        | 085      | 1849                 | 0.998               |
| 086                    | 40.9251488      | 55.7518559       | Fixed Point at 350M from baselines, 76(5) | 085        | 086      | 1849                 | 0.998               |
| 087                    | 40.9260999      | 55.7299421       | Fixed Point at 350M from baselines, 76(5) | 086        | 087      | 1849                 | 0.998               |
| 088                    | 40.9270942      | 55.7080313       | Fixed Point at 350M from baselines, 76(5) | 087        | 088      | 1849                 | 0.998               |
| 089                    | 40.9281315      | 55.6861237       | Fixed Point at 350M from baselines, 76(5) | 880        | 089      | 1849                 | 0.998               |
| 090                    | 40.9292119      | 55.6642193       | Fixed Point at 350M from baselines, 76(5) | 089        | 090      | 1849                 | 0.998               |
| 091                    | 40.9303353      | 55.6423183       | Fixed Point at 350M from baselines, 76(5) | 090        | 091      | 1849                 | 0.998               |
| 092                    | 40.9315018      | 55.6204208       | Fixed Point at 350M from baselines, 76(5) | 091        | 092      | 1849                 | 0.998               |
| 093                    | 40.9327113      | 55.5985271       | Fixed Point at 350M from baselines, 76(5) | 092        | 093      | 1849                 | 0.998               |
| 094                    | 40.9339639      | 55.5766371       | Fixed Point at 350M from baselines, 76(5) | 093        | 094      | 1849                 | 0.998               |
| 095                    | 40.9352594      | 55.5547510       | Fixed Point at 350M from baselines, 76(5) | 094        | 095      | 1849                 | 0.998               |
| 096                    | 40.9365980      | 55.5328691       | Fixed Point at 350M from baselines, 76(5) | 095        | 096      | 1849                 | 0.998               |
| 097                    | 40.9379796      | 55.5109913       | Fixed Point at 350M from baselines, 76(5) | 096        | 097      | 1849                 | 0.998               |
| 098                    | 40.9394043      | 55.4891178       | Fixed Point at 350M from baselines, 76(5) | 097        | 098      | 1849                 | 0.998               |
| 099                    | 40.9408719      | 55.4672489       | Fixed Point at 350M from baselines, 76(5) | 098        | 099      | 1849                 | 0.998               |
| 100                    | 40.9423825      | 55.4453845       | Fixed Point at 350M from baselines, 76(5) | 099        | 100      | 1849                 | 0.998               |
| 101                    | 40.9439360      | 55.4235248       | Fixed Point at 350M from baselines, 76(5) | 100        | 101      | 1849                 | 0.998               |
| 102                    | 40.9455325      | 55.4016700       | Fixed Point at 350M from baselines, 76(5) | 101        | 102      | 1849                 | 0.998               |
| 103                    | 40.9471720      | 55.3798203       | Fixed Point at 350M from baselines, 76(5) | 102        | 103      | 1849                 | 0.998               |
| 104                    | 40.9473332      | 55.3776843       | Fixed Point at 350M from baselines, 76(5) | 103        | 104      | 181                  | 0.098               |
| 105                    | 40.9490156      | 55.3558396       | Fixed Point at 350M from baselines, 76(5) | 104        | 105      | 1849                 | 0.998               |

| Fixed<br>Point<br>(FP) | Latitude<br>° N | Longitude<br>° W | Method, Article 76                        | From<br>FP | To<br>FP | Distance<br>(meters) | Distance<br>(Miles) |
|------------------------|-----------------|------------------|---|------------|----------|----------------------|---------------------|
| 106                    | 40.9507410      | 55.3340001       | Fixed Point at 350M from baselines, 76(5) | 105        | 106      | 1849                 | 0.998               |
| 107                    | 40.9525093      | 55.3121661       | Fixed Point at 350M from baselines, 76(5) | 106        | 107      | 1849                 | 0.998               |
| 108                    | 40.9543205      | 55.2903376       | Fixed Point at 350M from baselines, 76(5) | 107        | 108      | 1849                 | 0.998               |
| 109                    | 40.9561745      | 55.2685147       | Fixed Point at 350M from baselines, 76(5) | 108        | 109      | 1849                 | 0.998               |
| 110                    | 40.9580715      | 55.2466977       | Fixed Point at 350M from baselines, 76(5) | 109        | 110      | 1849                 | 0.998               |
| 111                    | 40.9600114      | 55.2248866       | Fixed Point at 350M from baselines, 76(5) | 110        | 111      | 1849                 | 0.998               |
| 112                    | 40.9619941      | 55.2030815       | Fixed Point at 350M from baselines, 76(5) | 111        | 112      | 1849                 | 0.998               |
| 113                    | 40.9640197      | 55.1812827       | Fixed Point at 350M from baselines, 76(5) | 112        | 113      | 1849                 | 0.998               |
| 114                    | 40.9660881      | 55.1594901       | Fixed Point at 350M from baselines, 76(5) | 113        | 114      | 1849                 | 0.998               |
| 115                    | 40.9681994      | 55.1377041       | Fixed Point at 350M from baselines, 76(5) | 114        | 115      | 1849                 | 0.998               |
| 116                    | 40.9703534      | 55.1159246       | Fixed Point at 350M from baselines, 76(5) | 115        | 116      | 1849                 | 0.998               |
| 117                    | 40.9750732      | 55.0686769       | Fixed Point at 350M from baselines, 76(5) | 116        | 117      | 4011                 | 2.166               |
| 118                    | 40.9772701      | 55.0469026       | Fixed Point at 350M from baselines, 76(5) | 117        | 118      | 1849                 | 0.998               |
| 119                    | 40.9795097      | 55.0251352       | Fixed Point at 350M from baselines, 76(5) | 118        | 119      | 1849                 | 0.998               |
| 120                    | 40.9817920      | 55.0033747       | Fixed Point at 350M from baselines, 76(5) | 119        | 120      | 1849                 | 0.998               |
| 121                    | 40.9841172      | 54.9816214       | Fixed Point at 350M from baselines, 76(5) | 120        | 121      | 1849                 | 0.998               |
| 122                    | 40.9864851      | 54.9598753       | Fixed Point at 350M from baselines, 76(5) | 121        | 122      | 1849                 | 0.998               |
| 123                    | 40.9888957      | 54.9381367       | Fixed Point at 350M from baselines, 76(5) | 122        | 123      | 1849                 | 0.998               |
| 124                    | 40.9913490      | 54.9164055       | Fixed Point at 350M from baselines, 76(5) | 123        | 124      | 1849                 | 0.998               |
| 125                    | 40.9938450      | 54.8946820       | Fixed Point at 350M from baselines, 76(5) | 124        | 125      | 1849                 | 0.998               |
| 126                    | 40.9963837      | 54.8729663       | Fixed Point at 350M from baselines, 76(5) | 125        | 126      | 1849                 | 0.998               |
| 127                    | 40.9989651      | 54.8512586       | Fixed Point at 350M from baselines, 76(5) | 126        | 127      | 1849                 | 0.998               |

| Fixed<br>Point<br>(FP) | Latitude<br>° N | Longitude<br>° W | Method, Article 76                        | From<br>FP | To<br>FP | Distance<br>(meters) | Distance<br>(Miles) |
|------------------------|-----------------|------------------|---|------------|----------|----------------------|---------------------|
| 128                    | 41.0015891      | 54.8295588       | Fixed Point at 350M from baselines, 76(5) | 127        | 128      | 1849                 | 0.998               |
| 129                    | 41.0042558      | 54.8078673       | Fixed Point at 350M from baselines, 76(5) | 128        | 129      | 1849                 | 0.998               |
| 130                    | 41.0069650      | 54.7861841       | Fixed Point at 350M from baselines, 76(5) | 129        | 130      | 1849                 | 0.998               |
| 131                    | 41.0097169      | 54.7645094       | Fixed Point at 350M from baselines, 76(5) | 130        | 131      | 1849                 | 0.998               |
| 132                    | 41.0125114      | 54.7428432       | Fixed Point at 350M from baselines, 76(5) | 131        | 132      |                      | 0.998               |
| 133                    | 41.0153484      | 54.7211858       | Fixed Point at 350M from baselines, 76(5) | 132        | 133      | 1849                 | 0.998               |
| 134                    | 41.0182280      | 54.6995372       | Fixed Point at 350M from baselines, 76(5) | 133        | 134      |                      | 0.998               |
| 135                    | 41.0211501      | 54.6778976       | Fixed Point at 350M from baselines, 76(5) | 134        | 135      | 1849                 | 0.998               |
| 136                    | 41.0241147      | 54.6562671       | Fixed Point at 350M from baselines, 76(5) | 135        |          | 1849                 | 0.998               |
| 137                    | 41.0271218      | 54.6346459       | Fixed Point at 350M from baselines, 76(5) | 136        | 137      | 1849                 | 0.998               |
| 138                    | 41.0301714      | 54.6130341       | Fixed Point at 350M from baselines, 76(5) | 137        | 138      | 1849                 | 0.998               |
| 139                    | 41.0332634      | 54.5914317       | Fixed Point at 350M from baselines, 76(5) | 138        | 139      | 1849                 | 0.998               |
| 140                    | 41.0363979      | 54.5698391       | Fixed Point at 350M from baselines, 76(5) | 139        | 140      | 1849                 | 0.998               |
| 141                    | 41.0395748      |                  | Fixed Point at 350M from baselines, 76(5) | 140        | 141      |                      | 0.998               |
| 142                    | 41.0427941      | 54.5266832       | Fixed Point at 350M from baselines, 76(5) | 141        | 142      |                      | 0.998               |
| 143                    | 41.0460557      | 54.5051203       | Fixed Point at 350M from baselines, 76(5) | 142        | 143      | 1849                 | 0.998               |
| 144                    | 41.0493597      | 54.4835676       | Fixed Point at 350M from baselines, 76(5) | 143        | 144      |                      | 0.998               |
| 145                    | 41.0527061      | 54.4620252       | Fixed Point at 350M from baselines, 76(5) | 144        | 145      | 1849                 | 0.998               |
| 146                    | 41.0560947      | 54.4404932       | Fixed Point at 350M from baselines, 76(5) | 145        | 146      |                      | 0.998               |
| 147                    | 41.0595257      | 54.4189718       | from baselines, 76(5)                     | 146        |          | 1849                 | 0.998               |
| 148                    | 41.0629989      | 54.3974611       | Fixed Point at 350M from baselines, 76(5) | 147        | 148      | 1849                 | 0.998               |
| 149                    | 41.0665144      | 54.3759613       | Fixed Point at 350M from baselines, 76(5) | 148        | 149      | 1849                 | 0.998               |

| Fixed<br>Point<br>(FP) | Latitude<br>° N | Longitude<br>° W | Method, Article 76                        | From<br>FP | To<br>FP | Distance<br>(meters) | Distance<br>(Miles) |
|------------------------|-----------------|------------------|---|------------|----------|----------------------|---------------------|
| 150                    | 41.0700721      | 54.3544724       | Fixed Point at 350M from baselines, 76(5) | 149        | 150      | 1849                 | 0.998               |
| 151                    | 41.0736720      | 54.3329947       | Fixed Point at 350M from baselines, 76(5) | 150        | 151      | 1849                 | 0.998               |
| 152                    | 41.0773141      | 54.3115282       | Fixed Point at 350M from baselines, 76(5) | 151        | 152      | 1849                 | 0.998               |
| 153                    | 41.0809984      | 54.2900731       | Fixed Point at 350M from baselines, 76(5) | 152        | 153      | 1849                 | 0.998               |
| 154                    | 41.0847248      | 54.2686295       | Fixed Point at 350M from baselines, 76(5) | 153        | 154      | 1849                 | 0.998               |
| 155                    | 41.0884933      | 54.2471975       | Fixed Point at 350M from baselines, 76(5) | 154        | 155      | 1849                 | 0.998               |
| 156                    | 41.0923039      | 54.2257773       | Fixed Point at 350M from baselines, 76(5) | 155        | 156      | 1849                 | 0.998               |
| 157                    | 41.0961566      | 54.2043690       | Fixed Point at 350M from baselines, 76(5) | 156        | 157      | 1849                 | 0.998               |
| 158                    | 41.1000513      | 54.1829728       | Fixed Point at 350M from baselines, 76(5) | 157        | 158      | 1849                 | 0.998               |
| 159                    | 41.1039880      | 54.1615887       | Fixed Point at 350M from baselines, 76(5) | 158        | 159      | 1849                 | 0.998               |
| 160                    | 41.1079667      | 54.1402170       | Fixed Point at 350M from baselines, 76(5) | 159        | 160      | 1849                 | 0.998               |
| 161                    | 41.1119874      | 54.1188576       | Fixed Point at 350M from baselines, 76(5) | 160        | 161      | 1849                 | 0.998               |
| 162                    | 41.1160500      | 54.0975109       | Fixed Point at 350M from baselines, 76(5) | 161        | 162      | 1849                 | 0.998               |
| 163                    | 41.1201546      | 54.0761768       | Fixed Point at 350M from baselines, 76(5) | 162        | 163      | 1849                 | 0.998               |
| 164                    | 41.1243010      | 54.0548556       | Fixed Point at 350M from baselines, 76(5) | 163        | 164      | 1849                 | 0.998               |
| 165                    | 41.1284893      | 54.0335474       | Fixed Point at 350M from baselines, 76(5) | 164        | 165      | 1849                 | 0.998               |
| 166                    | 41.1327195      | 54.0122522       | Fixed Point at 350M from baselines, 76(5) | 165        | 166      | 1849                 | 0.998               |
| 167                    | 41.1369914      | 53.9909703       | Fixed Point at 350M from baselines, 76(5) | 166        | 167      | 1849                 | 0.998               |
| 168                    | 41.1413052      | 53.9697017       | Fixed Point at 350M from baselines, 76(5) | 167        | 168      | 1849                 | 0.998               |
| 169                    | 41.1456607      | 53.9484467       | Fixed Point at 350M from baselines, 76(5) | 168        | 169      | 1849                 | 0.998               |
| 170                    | 41.1500579      | 53.9272053       | Fixed Point at 350M from baselines, 76(5) | 169        | 170      | 1849                 | 0.998               |
| 171                    | 41.1544968      | 53.9059776       | Fixed Point at 350M from baselines, 76(5) | 170        | 171      | 1849                 | 0.998               |

| Fixed<br>Point<br>(FP) | Latitude<br>° N | Longitude<br>° W | Method, Article 76                        | From<br>FP | To<br>FP | Distance<br>(meters) | Distance<br>(Miles) |
|------------------------|-----------------|------------------|---|------------|----------|----------------------|---------------------|
| 172                    | 41.1589775      | 53.8847638       | Fixed Point at 350M from baselines, 76(5) | 171        | 172      | 1849                 | 0.998               |
| 173                    | 41.1634997      | 53.8635641       | Fixed Point at 350M from baselines, 76(5) | 172        | 173      | 1849                 | 0.998               |
| 174                    | 41.1680636      | 53.8423785       | Fixed Point at 350M from baselines, 76(5) | 173        | 174      | 1849                 | 0.998               |
| 175                    | 41.1726691      | 53.8212073       | Fixed Point at 350M from baselines, 76(5) | 174        | 175      | 1849                 | 0.998               |
| 176                    | 41.1773161      | 53.8000504       | Fixed Point at 350M from baselines, 76(5) | 175        | 176      | 1849                 | 0.998               |
| 177                    | 41.1820047      | 53.7789081       | Fixed Point at 350M from baselines, 76(5) | 176        | 177      | 1849                 | 0.998               |
| 178                    | 41.1867347      | 53.7577805       | Fixed Point at 350M from baselines, 76(5) | 177        | 178      | 1849                 | 0.998               |
| 179                    | 41.1915063      | 53.7366677       | Fixed Point at 350M from baselines, 76(5) | 178        | 179      | 1849                 | 0.998               |
| 180                    | 41.1963193      | 53.7155699       | Fixed Point at 350M from baselines, 76(5) | 179        | 180      | 1849                 | 0.998               |
| 181                    | 41.2011737      | 53.6944871       | Fixed Point at 350M from baselines, 76(5) | 180        | 181      | 1849                 | 0.998               |
| 182                    | 41.2060695      | 53.6734196       | Fixed Point at 350M from baselines, 76(5) | 181        | 182      | 1849                 | 0.998               |
| 183                    | 41.2110066      | 53.6523674       | Fixed Point at 350M from baselines, 76(5) | 182        | 183      | 1849                 | 0.998               |
| 184                    | 41.2157747      | 53.6322199       | Fixed Point at 350M from baselines, 76(5) | 183        | 184      | 1771                 | 0.956               |