



## **Commission on the Limits of the Continental Shelf**

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### **RECOMMENDATIONS OF THE COMMISSION ON THE LIMITS OF THE CONTINENTAL SHELF IN REGARD TO THE SUBMISSION MADE BY THE PHILIPPINES IN RESPECT OF THE BENHAM RISE REGION ON 8 APRIL 2009**

Recommendations prepared by the Subcommittee established for the consideration  
of the Submission made by the Philippines

Adopted by the Subcommittee on 2 April 2012, and submitted to the Commission on  
the Limits of the Continental Shelf for consideration and approval by the Commission

Adopted by the Commission on 12 April 2012

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## LIST OF TERMS AND ABBREVIATIONS

<b>Acronyms</b>	
<b>DOALOS</b>	Division for Ocean Affairs and Law of the Sea, Office of Legal Affairs
<b>FOS</b>	Foot of the continental slope
<b>Abbreviated Terms</b>	
<b>Critical FOS Points</b>	Foot of the continental slope points that generate formula fixed points on the line of the outer limits of the continental shelf
<b>FOS Points</b>	Foot of the continental slope points
<b>Depth Constraint</b>	The constraint line constructed at 100 M from the 2500 metre isobaths in accordance with article 76, paragraphs 5 and 6, of the Convention
<b>Distance Constraint</b>	The constraint line constructed at 350 M from the territorial sea baseline in accordance with article 76, paragraphs 5 and 6, of the Convention
<b>M</b>	Nautical mile
<b>Relevant FOS point</b>	Foot of the continental slope points that generate formula fixed points on the outer edge of the continental margin that are necessary for the construction of the outer limits of the continental shelf
<b>Secretary-General</b>	The Secretary-General of the United Nations
<b>Sediment Thickness Formula Points</b>	Points determined from the application of Article 76, paragraph 4(a)(i), of the Convention (also informally referred to as Gardiner points)
<b>Territorial Sea Baselines</b>	The baselines from which the breadth of the territorial sea is measured
<b>The Guidelines</b>	The Scientific and Technical Guidelines of the Commission (CLCS/11 and CLCS/11/Add.1)
<b>The Commission</b>	The Commission on the Limits of the Continental Shelf
<b>The Convention</b>	The United Nations Convention on the Law of the Sea of 10 December 1982
<b>The Rules of Procedure</b>	The Rules of Procedure of the Commission (CLCS/40/Rev.1)
<b>60 M Formula Points</b>	Points determined from the application of article 76, paragraph 4(a)(ii), of the Convention (also informally referred to as Hedberg points)
<b>200 M Limit</b>	The line at 200 M from the baselines from which the breadth of the territorial sea is measured
<b>Use of Terms</b>	
<b>Determine</b>	the foot of the continental slope
<b>Delineate</b>	the outer edge of the continental margin (in terms of construction of the outer edge of the continental margin by establishing and connecting fixed points)
<b>Delineate</b>	the outer limits of the continental shelf (in terms of construction of the outer limits of the continental shelf by establishing and connecting fixed points)
<b>Establish</b>	the outer edge of the continental margin (in terms of following procedure in the Convention for submitting the outer edge of the continental margin as basis for the outer limits of the continental shelf)
<b>Establish</b>	the outer limits of the continental shelf (in terms of following procedure in the Convention for the submission of the outer limits of the continental shelf)

## I. INTRODUCTION

- 1 On 8 April 2009, the Republic of the Philippines ("the Philippines") submitted to the Commission on the Limits of the Continental Shelf through the Secretary-General of the United Nations, information on the limits of the continental shelf beyond 200 nautical miles from the baselines from which the breadth of the territorial sea is measured, in accordance with article 76, paragraph 8 of the United Nations Convention on the Law of the Sea of 10 December 1982.
- 2 The Convention entered into force for the Philippines on 16 November 1994.
- 3 The Submission of the Philippines pertained to the Benham Rise Region.<sup>1</sup> According to the submitting State this is a partial submission which is without prejudice to the right of the Philippines to make other submissions for other areas at a future time.<sup>2</sup>
- 4 On 21 April 2009, the Secretary-General issued Continental Shelf Notification CLCS.22.2009.LOS in order to give due publicity to the Executive Summary of the Submission in accordance with rule 50 of the Rules of Procedure of the Commission. In conformity with rule 51 of the Rules of Procedure, the consideration of the Submission made by the Philippines was included in the agenda of the twenty-fourth session of the Commission.
- 5 The Commission received no notes verbales from other States in relation to the Submission.
- 6 The presentation of the Submission to the Commission was made on 25 August 2009 by Mr. Hilario G. Davide Jr., Permanent Representative of the Republic of the Philippines to the United Nations, and Ms. Minerva Jean A. Falcon, Ambassador, Department of Foreign Affairs. The Delegation of the Philippines also included a number of scientific, legal and technical advisers.
- 7 Mr. Davide indicated that Mr. Galo Carrera, a member of the Commission, had assisted the Philippines by providing scientific and technical advice with respect to the submission.
- 8 Ms. Falcon noted that this submission was a partial one, in accordance with section 3 of Annex I to the Rules of Procedure, on the outer limits of the continental shelf in the Benham Rise Region and that the Philippines reserved the right to make future submissions in other areas.
- 9 In reference to paragraph 2 (a) of Annex I to the Rules of Procedure, Ms. Falcon informed the Commission that the submission was not the subject of any dispute, and that no note verbale concerning the submission from any other coastal State had been made.
- 10 The Commission addressed the modalities for the consideration of the Submission. It decided that, as provided for in article 5 of Annex II to the Convention and in rule 42 of the Rules of Procedure, the Submission would be addressed through the establishment of a Subcommittee, which was established during the twenty-seventh session of the Commission.

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<sup>1</sup> The list of the material included in the original Submission is contained in Annex II to the Recommendations.

<sup>2</sup> See CLCS.22.2009.LOS at [http://www.un.org/depts/los/clcs\\_new/submissions\\_files/submission\\_phl\\_22\\_2009.htm](http://www.un.org/depts/los/clcs_new/submissions_files/submission_phl_22_2009.htm)

- 11 The following members of the Commission were elected as members of the Subcommission for consideration of the Submission made by the Philippines: Messrs. Osvaldo Pedro Astiz, Lawrence Folajimi Awosika, Harald Brekke, Peter F. Croker, Yong Ahn Park, Michael Anselme Marc Rosette and Kensaku Tamaki. The Subcommission elected Mr. Awosika as its Chairperson, and Messrs. Park and Rosette as its Vice-Chairpersons.
- 12 Following its establishment, the Subcommission met without delay to conduct a preliminary examination of the Submission and the data accompanying it. It was determined that given the volume and nature of the data contained in the Submission, the Subcommission would require additional time, including resumed sessions, for the consideration of the Submission.
- 13 Following consultations during the twenty-eighth session, the Commission appointed Mr. Tetsuro Urabe to fill the vacancy that had occurred in the Subcommission following the untimely demise of Mr. Tamaki.
- 14 The Subcommission carried out its examination of the submission during the following sessions: twenty-seventh, twenty-eighth, resumed twenty-eighth and twenty-ninth. During these sessions the Subcommission held 25 days of meetings. It also held seven meetings with the Delegation, posed questions in writing, presented preliminary considerations involving documents and PowerPoint presentations and one consolidated set of views and general conclusions covering the whole Submission, as well as an outline of the Recommendations being prepared by the Subcommission.<sup>3</sup> During the examination of the Submission, the Subcommission requested and received support from the Division for Ocean Affairs and the Law of the Sea, Office of Legal Affairs, in particular in the form of technical support by DOALOS Geographical Information Systems staff.
- 15 The Subcommission adopted its Recommendations on 2 April 2012, and submitted them to the Commission on 2 April 2012 for consideration and approval.
- 16 On 12 April 2012, a meeting was held, at the request of the Philippines, between its delegation and the Commission, pursuant to paragraph 15 (1 bis) of annex III to the Rules of Procedure of the Commission. At that meeting, the presentation of the Philippines was made by Libran N. Cabactulan, Permanent Representative of the Philippines to the United Nations. The Delegation of the Philippines also included a number of advisers.
- 17 The Commission prepared these Recommendations, which were adopted on 12 April 2012, taking into consideration the internal procedures and the methodology outlined in the following documents of the Commission: the Rules of Procedure, the Scientific and Technical Guidelines and article 6 of Annex II to the Convention.
- 18 The Commission makes these Recommendations to the Philippines in fulfilment of its mandate as contained in article 76, paragraph 8 of, and articles 3 and 5 of Annex II to the Convention.
- 19 A Summary of the Recommendations is included as Annex V of this document in conformity with paragraph 11.3 of Section V, Annex III to the Rules of Procedure.
- 20 The Commission makes its recommendations recognising that the outer limits of the continental shelf as established by a coastal State on the basis of its

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<sup>3</sup> The material supplied to the Delegations by the Subcommission is contained in Annex IV to the Recommendations.

recommendations shall be final and binding according to article 76, paragraph 8, of the Convention.

## **II. CONTENTS OF THE SUBMISSION**

### **A. Original Submission**

21 The original Submission received on 8 April 2009 contained: an Executive Summary; a Main Body which is the analytical and descriptive part; and Scientific and Technical Data. A list of the material included in the Submission received on 8 April 2009 is included as Annex II to these Recommendations.

### **B. Communications and additional material**

22 In the course of the examination of the Submission by the Subcommittee, the Delegation submitted additional material, including in response to questions, requests for clarification and written preliminary considerations of the Subcommittee. Lists of both the additional material submitted by the Philippines and the communications of the Subcommittee are included as Annexes III and IV, respectively, to these Recommendations.

## **III. EXAMINATION OF THE SUBMISSION BY THE SUBCOMMISSION**

### **A. Examination of the format and completeness of the Submission**

23 Pursuant to paragraph 3 of Section III, Annex III to the Rules of Procedure, the Subcommittee examined and verified the format and completeness of the Submission.

### **B. Preliminary analysis of the Submission**

24 Pursuant to paragraph 5 of Section III, Annex III to the Rules of Procedure, the Subcommittee undertook a preliminary analysis of the Submission, in accordance with article 76 of the Convention and the Guidelines and concluded as follows:

- (i) The outer edge of the continental margin, as established by the 60 M formula lies beyond 200 M and, therefore, the test of appurtenance was satisfied by the Philippines;
- (ii) The proposed outer limits of the Philippine continental shelf beyond 200 M consists of 60 M formula points;
- (iii) The construction of the outer limits of the continental shelf contains no straight line segments exceeding 60 M in length;
- (iv) Additional time would be required to review all data and to prepare the recommendations during future sessions of the Commission.

### **C. Main scientific and technical examination of the Submission**

25 The Subcommittee examined the Submission through the following processes:

- (i) Detailed examination of the data and information supporting the FOS points selected for the establishment of the outer edge of the continental margin and

for the delineation of the proposed outer limits of the continental shelf following consideration of the applicable constraint;

- (ii) Seeking clarifications from the Delegation;
- (iii) Presenting preliminary conclusions to the Delegation;
- (iv) Making a comprehensive presentation of the views and general conclusions of the Subcommittee to the Delegation, at an advanced stage of the examination of the Submission.

#### **IV. GENERAL PRINCIPLES ON WHICH THESE RECOMMENDATIONS ARE BASED**

- 26 The Recommendations of the Commission are based on the scientific and technical data and other material provided by the Philippines in relation to the implementation of article 76. The Recommendations of the Commission only deal with issues related to article 76 and Annex II to the Convention and are without prejudice to matters relating to delimitation between States, or application of other parts of the Convention or any other treaties.

#### **V. RECOMMENDATIONS**

##### **1. Geographical and geological description of the region**

- 27 The continental margin of the Philippines in the Benham Rise Region is bounded to the north and east by the West Philippine Basin, and to the west and south by the Philippine island of Luzon.
- 28 The Benham Rise region consists of the Benham Rise itself, Molave Spur, Molave Saddle, Narra Spur and Narra Saddle (Figure 1). The Benham Rise is connected to the Philippine archipelago along Bicol Saddle to the southwest and Palanan Saddle to the west.
- 29 The Benham Rise, Molave Spur and Narra Spur constitute a volcanic plateau which stands about 3,500 m above the surrounding seafloor at its crest and about 500 m above the surrounding seafloor along its northern and eastern margins. To the west and southwest, it is connected with the eastern margin of Luzon through the Palanan and Bicol saddles, respectively. The Benham Rise was formed about 37 Ma by intraplate igneous activity resulting in significantly thicker crust than that of the deep ocean floor of the West Philippine Basin. The Benham Rise was accreted to Luzon about 20 Ma along a fossil subduction zone at the East Luzon margin.



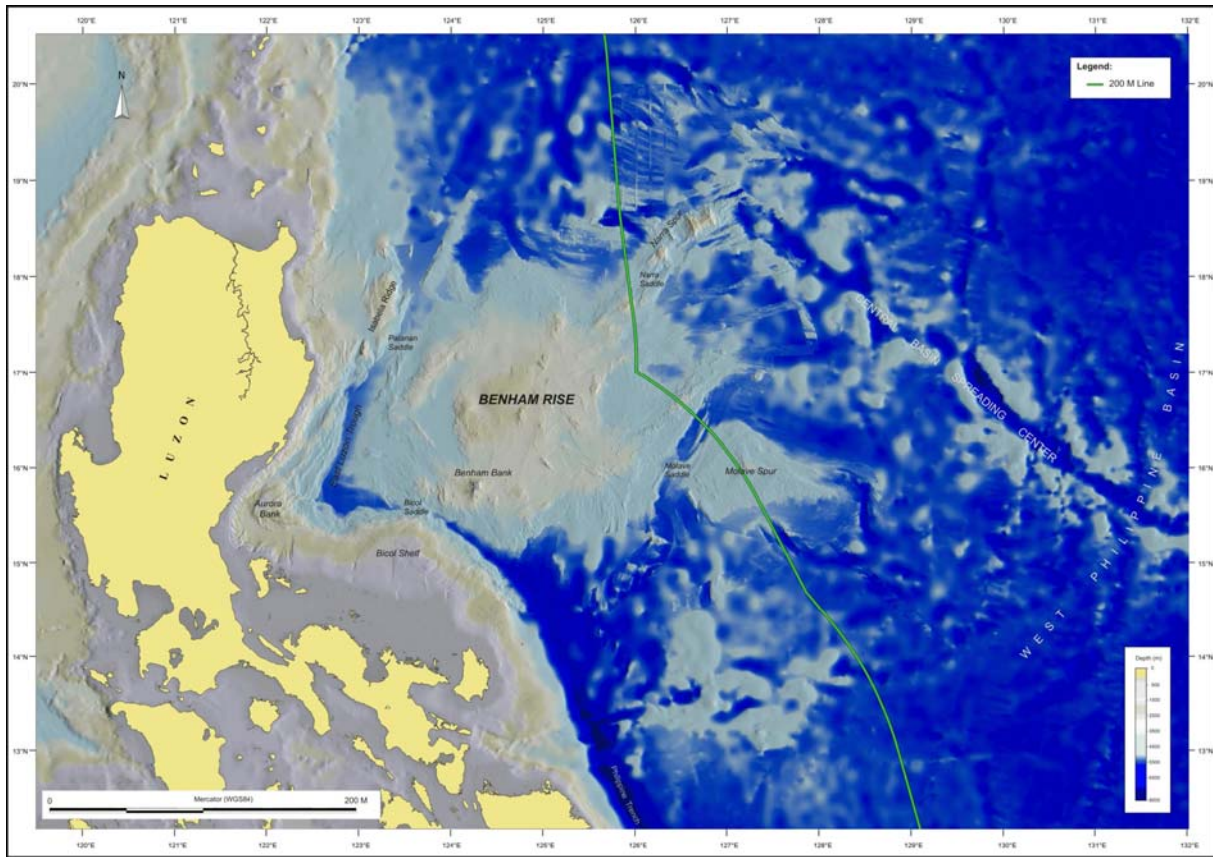


Figure 1. Benham Rise Region with the 200 M limit of the Philippines (Source: Figure 2.9 of the Main Body)

## 2. Notes verbales submitted by other States

30 The Commission received no notes verbales from other States in relation to the Submission.

## 3. Submerged prolongation of the land mass and entitlement to the continental shelf beyond 200 M

31 The Philippine islands, including Luzon, constitute the land mass in the region. The Benham Rise and its subsidiaries, the Molave and Narra spurs, form a composite morphological feature that constitutes the submarine prolongation of that land mass by way of the FOS envelope.

32 The outer edge of the continental margin, established from the FOS of the Benham Rise Region by applying the provisions of article 76, paragraph 4, of the Convention, extends beyond the 200 M limits of the Philippines. On this basis, the Commission recognises the legal entitlement of the Philippines to delineate the outer limits of its continental shelf beyond its 200 M limits in this region.

## 4. The determination of the foot of the continental slope

33 The FOS should be established in accordance with article 76, paragraph 4(b), of the Convention.

#### 4.1 Considerations

- 34 The Philippines originally submitted eight critical FOS points that generate formula points beyond the 200 M limits of the Philippines in the Benham Rise Region, BR-FOS-7, -9, -10, -11, -15, -20, -21 and -23.
- 35 The base of the slope zone (BOS) in which these FOS points were established, was determined by the Philippines on the basis of morphology of the flanks of the Benham Rise and its subsidiaries, the Narra and Molave spurs.
- 36 The Commission agrees with the Philippines that the continental rise is absent in this region and therefore, the BOS is located where the lower slope merges with the deep ocean floor. In the view of the Subcommission, the BOS is generally easily identified on the basis of morphology. On this basis, the Subcommission agreed with the locations of the FOS points BR-FOS-9, -10, -11, -15, -20 and -21. However, it did not agree with the FOS points BR-FOS-7 and -23.
- 37 In its communication SCPHL\_DOC\_PHL\_001\_16\_05\_2011, the Subcommission expressed the view that the location of BR-FOS-7 on the profile submitted (Figure 2) had been compromised by the way the slope had been averaged. The line of the average slope seemed to place the FOS point away from the real base of the slope. Hence, the Subcommission was of the view that the maximum change in gradient on this profile occurs at a point more landward (approximate distance of about 780 m) of the position of the FOS point identified by the Philippines (Figure 3).

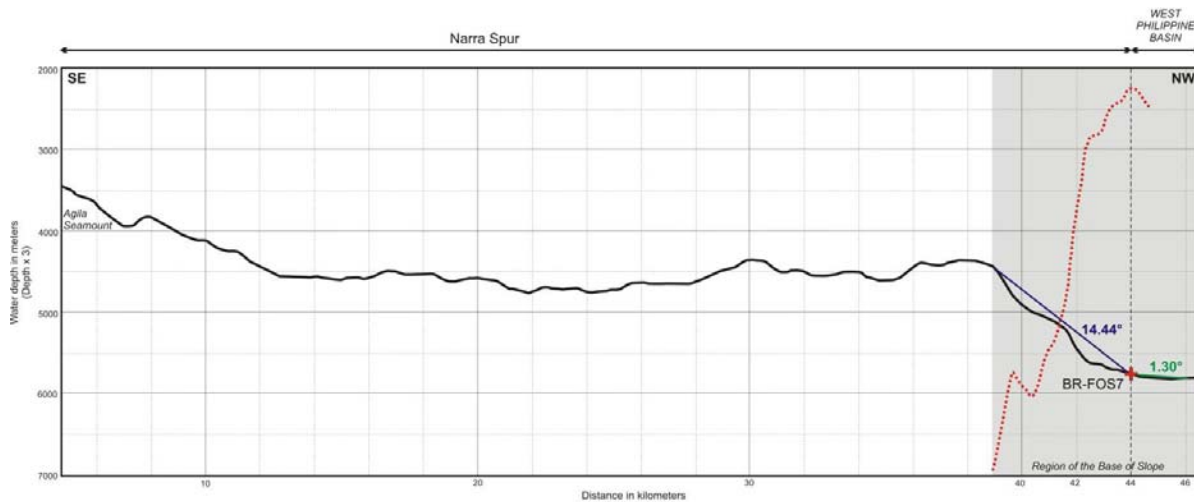


Figure 2. Bathymetric profile PR-BR7 (Source: Annex 4.2.2 of the Supporting Document)

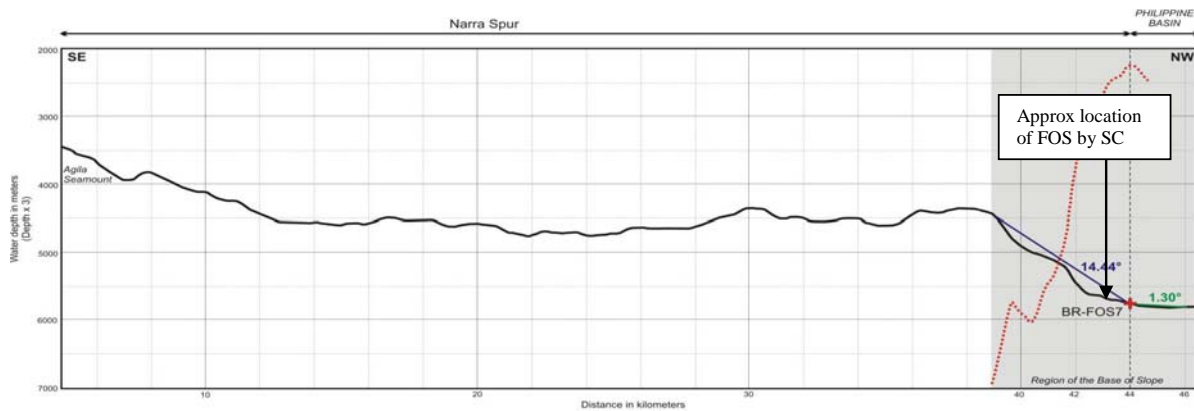


Figure 3. Bathymetric profile PR-BR7 indicating maximum change of gradient in base of slope zone (Source: Modified from Annex 4.2.2 of the Supporting Document)

- 38 In its response RP-BR-R2 the Philippines identified a revised location for the point BR-FOS-7 in accordance with the view of the Subcommittee. The Commission agrees with this location.
- 39 The FOS point BR-FOS-23 was located at the seaward end of an elevated feature separated from the Molave Spur by a low-lying area which was, in the view of the Philippines is a saddle connecting it to the Molave Spur (Figures 4a and b). In its communication SCPHL\_DOC\_PHL\_002\_02\_09\_2011 the Subcommittee expressed the view that the base of slope is approximately at 5,000 to 5,100 m depth in this area (Figure 5) with the result that this low-lying area is part of the deep ocean floor. Consequently, the elevated feature is not a part of the submerged prolongation of the Molave Spur. The Subcommittee therefore asked that point BR-FOS-23 be replaced by a new FOS point.

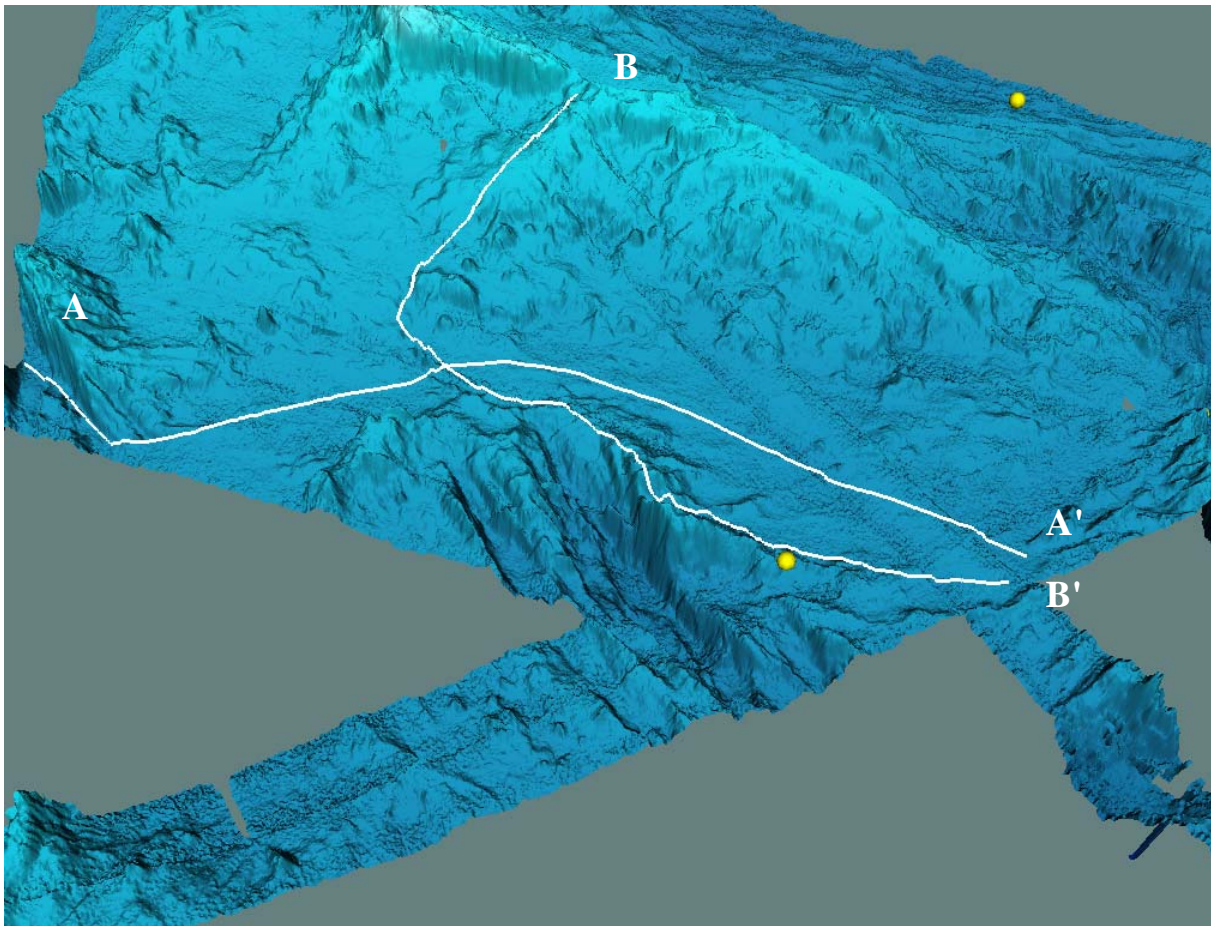


Figure 4a. Location of profile from Molave Spur along crest of saddle and through BR-FOS-23, and profile along saddle. (Figure created by Subcommittee from materials provided by Delegation)

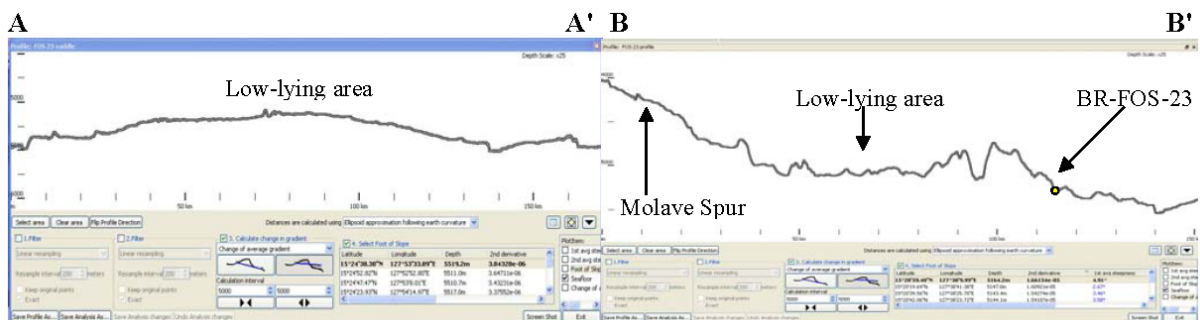


Figure 4b. Profile along low-lying area, left. Profile from Molave Spur along crest of low-lying area and through BR-FOS-23, right. (Figure created by Subcommittee from materials provided by Delegation)



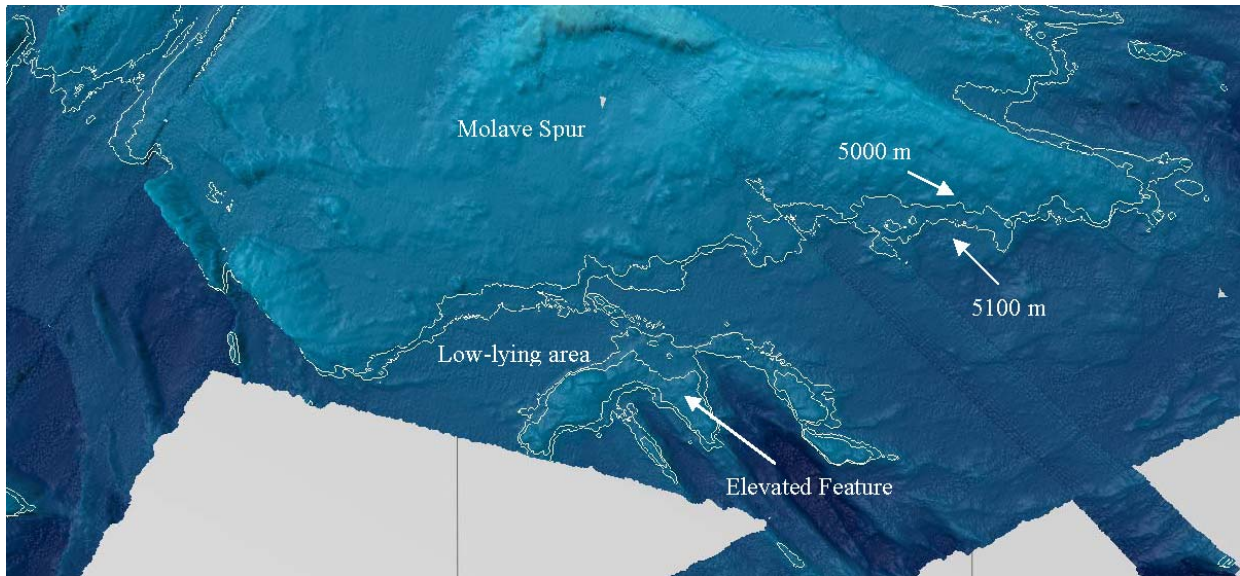


Figure 5. 5,000 and 5,100 m isobaths around the Molave Spur and the elevated feature. (Figure created by Subcommittee from materials provided by Delegation)

- 40 After a series of interactions between the Subcommittee and the Delegation of the Philippines, the Philippines submitted a revised method of bridging the formula line and the 200 M line of the Philippines. By this method, the last fixed point on the 60 M arc, generated from BR-FOS-21, was joined to the 200 M limit by the line of shortest distance, not longer than 60 M. In this way, FOS point BR-FOS-23 became redundant with respect to the establishment of the outer limit, and no longer counts as a critical FOS point. The Subcommittee agreed with this approach in its Communication SCPHL\_LET\_PHL\_005\_09\_12\_2011.
- 41 Following this agreed approach, the Delegation of the Philippines also submitted a revised bridging with the northern 200 M line of the Philippines based on the same principle. By doing so, the FOS points BR-FOS-7 and -9 became redundant with respect to the establishment of the outer limit, and no longer count as critical FOS points. The Subcommittee agreed with this approach.
- 42 As a result of the examination and consideration of the material and information originally submitted together with those provided during the interactions with the Delegation of the Philippines, the Subcommittee agreed with the location of the points BR-FOS-7 (as revised), -9, -10, -11, -15, -20 and -21, of which BR-FOS-10, -11, -15, -20 and -21 are critical FOS points.

#### 4.2 Recommendations

- 43 The Commission concludes that, in the Benham Rise Region, the five critical FOS points referred to above and listed in Table 1 of Annex I, fulfil the requirements of article 76 and Chapter 5 of the Guidelines. The Commission recommends that these FOS points should form the basis for the establishment of the outer edge of the continental margin in the Benham Rise Region.

## **5. The establishment of the outer edge of the continental margin**

- 44 The outer edge of the continental margin of the Philippines in the Benham Rise Region should, for the purposes of the Convention, be established in accordance with article 76, paragraphs 4 and 7, of the Convention.

### **5.1 The application of the 60 M distance formula**

- 45 For the purpose of establishing the outer edge of the continental margin in the Benham Rise Region, fixed points were determined on arcs constructed at a distance of not more than 60 M from FOS points on the continental margin of the Benham Rise Region, in accordance with the provision contained in article 76, paragraph 4(a)(ii), of the Convention. These points are listed in Table 1, Annex I.
- 46 The Commission agrees with the way these points have been established in the Benham Rise Region by the Philippines.

### **5.2 Recommendations**

- 47 In the Benham Rise Region, the outer edge of the continental margin beyond 200 M is based on points on the 60 M arcs as described in section 5.1, in accordance with article 76, paragraph 7, of the Convention. The Commission recommends that these points be used as the basis for delineating the outer limits of the continental margin in this region.

## **6. The delineation of the outer limits of the continental shelf**

- 48 The outer limits of the continental shelf should be based on the established outer edge of the continental margin, taking into consideration the constraints contained in article 76, paragraphs 5 and 6, of the Convention.

### **6.1 The application of constraint criteria**

- 49 The outer limits of the continental shelf cannot extend beyond the constraints as per the provisions contained in article 76, paragraph 5, of the Convention. Accordingly, the provision that the outer limits of the continental shelf may not exceed 350 M from the baselines from which the breadth of the territorial sea is measured may be applied in all cases. Alternatively, the provision that the outer limits of the continental shelf may not exceed 100 M from the 2,500 m isobath may be applied to those parts of the continental margin that are classified as natural components of that margin.
- 50 For the outer limits of the continental shelf in the Benham Rise Region, the Philippines has invoked the FOS plus 60 M formula with the result that no part of the outer edge of the continental margin exceeds any of the constraints.

#### **6.1.1 The construction of the distance constraint line**

- 51 The distance constraint line submitted by the Philippines is constructed by arcs at 350 M distance from the baselines from which the breadth of the territorial sea of the Philippines is measured. The Commission agrees with the procedure and methods applied by the Philippines in the construction of this constraint line (Figure 6).

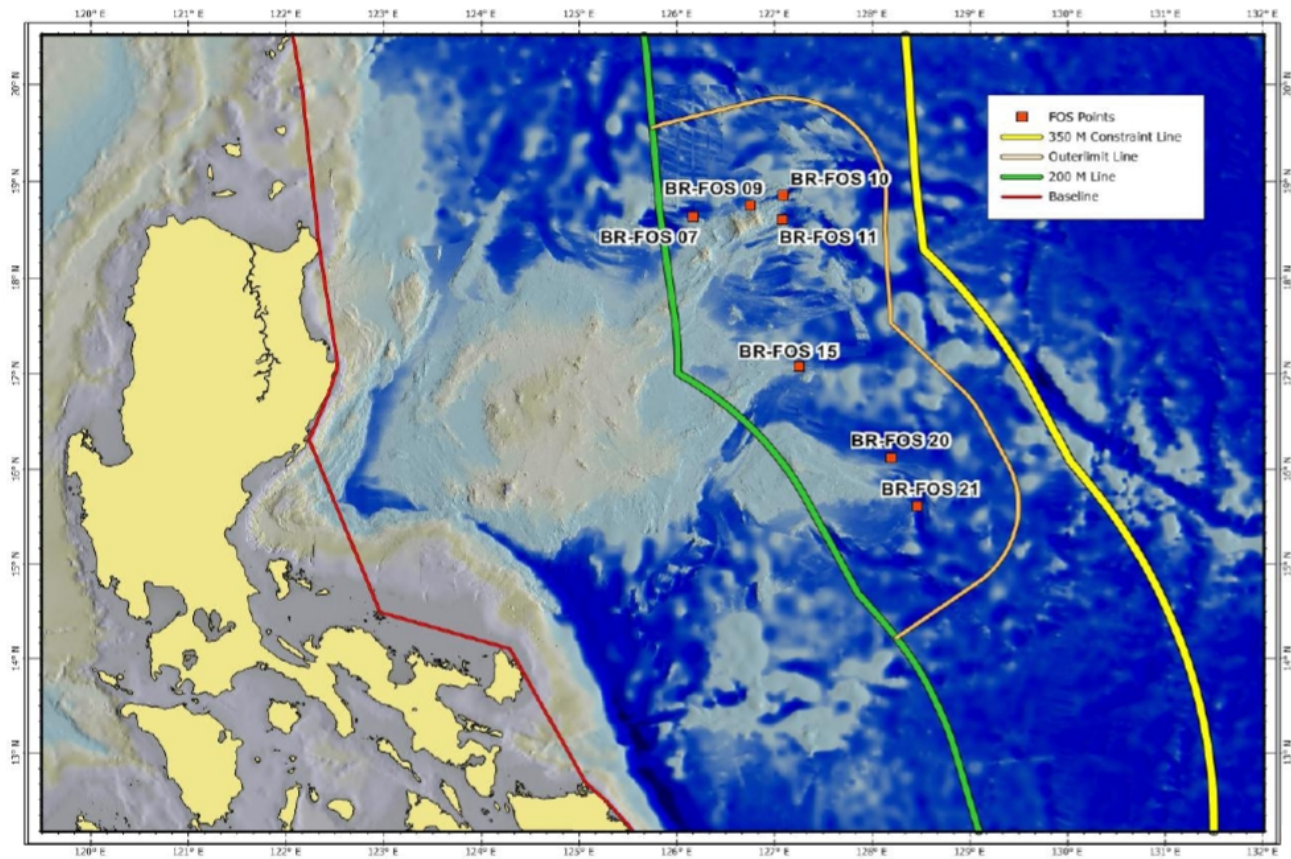


Figure 6. Location of the distance constraint line (yellow) and the outer limits of the continental shelf (pale orange) (Source: Presentation, Response to the Presentation of the Subcommittee to the Philippines on 7 December 2011, slide 6)

## 6.2 The outer limits of the continental shelf

- 52 The outer limits of the continental shelf in the Benham Rise Region as contained in the Submission of the Philippines consists of fixed points connected by straight lines not exceeding 60 M in length (Figure 7). The fixed points are listed in Table 2, Annex I, as submitted under letter of 28 March 2012. The fixed points are established by the provisions contained in article 76, paragraph 4(a), of the Convention, and points located on the 200 M limit line of the Philippines north of Narra Spur and south of Molave Spur.



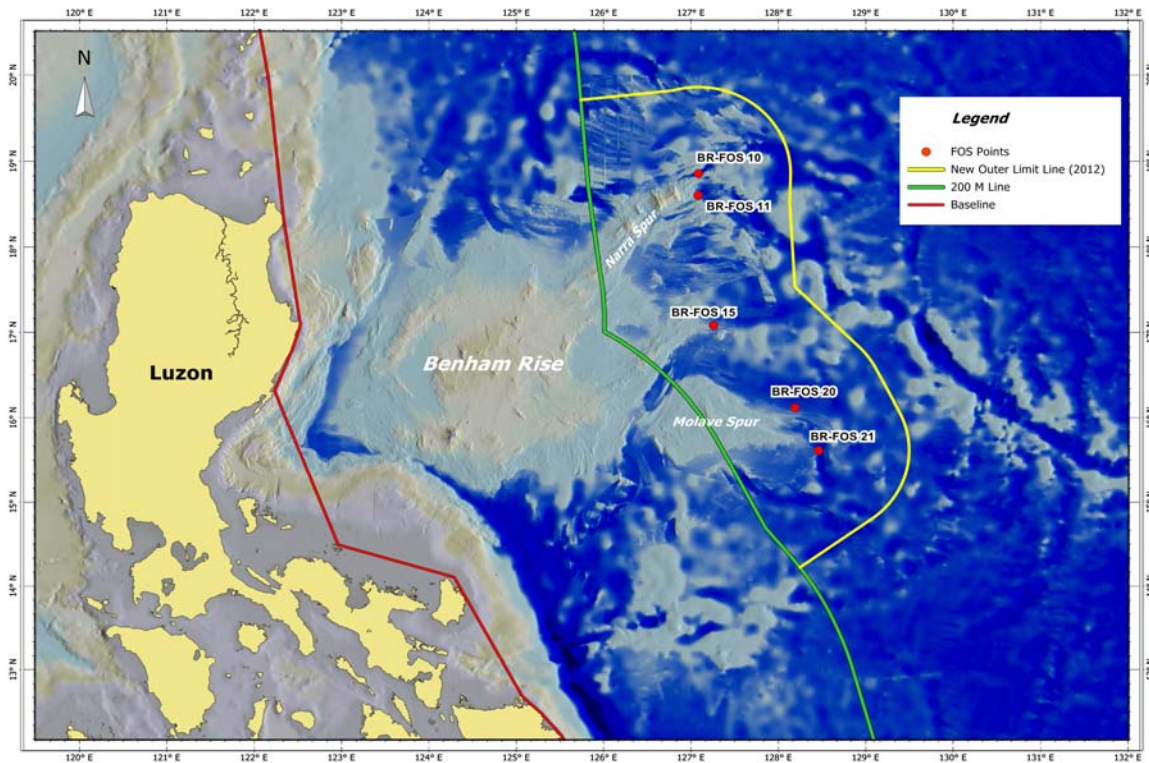


Figure 7. Map of the outer limits of the continental shelf beyond 200 M of the Philippines in the Benham Rise Region. (Source: Document RP-BR-R7 submitted under letter of 28 March 2012)

53 The Commission agrees that the determination of the last segment of the outer limits of the continental shelf may be established either by the intersection of the formula line, in accordance with Article 76, paragraph 4 and 7, and the 200 M limit from the archipelagic baselines from which the breadth of the territorial sea is measured, or by the line of shortest distance, not exceeding 60 M in length, between the last fixed formula point and the 200 M limit.

### 6.3 Recommendations

54 The Commission recommends that the delineation of the outer limits of the continental shelf in the Benham Rise Region be conducted in accordance with paragraph 7 of article 76, of the Convention by straight lines not exceeding 60 M in length, connecting fixed points, defined by coordinates of latitude and longitude. Further, the Commission agrees with the principles applied in delineating the outer limits of the continental shelf in the Benham Rise Region, including the determination of the fixed points listed in Table 2, Annex I, and the construction of the straight lines connecting those points. The Commission recommends that the Philippines proceed to establish the outer limits of the continental shelf beyond 200 M accordingly.



**ANNEX I**

**TABLE 1. GEOGRAPHIC COORDINATES OF AGREED CRITICAL FOS POINTS**

CRITICAL FOS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)		
			DEG	MIN	SEC	DEG	MIN	SEC
BR-FOS10	127.08514404	18.85784912	127	5	6.52	18	51	28.26
BR-FOS11	127.07955278	18.60366111	127	4	46.39	18	36	13.18
BR-FOS15	127.25640869	17.08072090	127	15	23.07	17	4	50.60
BR-FOS20	128.18887329	16.11800957	128	11	19.94	16	7	4.83
BR-FOS21	128.46021940	15.61249444	128	27	36.79	15	36	44.98

**TABLE 2. GEOGRAPHIC COORDINATES AND OTHER INFORMATION RELATED TO THE ESTABLISHMENT OF THE OUTER LIMITS OF THE CONTINENTAL SHELF BEYOND 200 M IN THE BENHAM RISE REGION<sup>1</sup>**

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-001	125.73723154	19.71376345	125	44	14.03	19	42	49.55		59.852	BR-FOS10
ECS-B-002	126.78879188	19.82145761	126	47	19.65	19	49	17.25	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-003	126.80579698	19.82602277	126	48	20.87	19	49	33.68	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-004	126.82288070	19.83032001	126	49	22.37	19	49	49.15	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-005	126.84004080	19.83434512	126	50	24.15	19	50	3.64	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-006	126.85726820	19.83809811	126	51	26.17	19	50	17.15	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-007	126.87456080	19.84157475	126	52	28.42	19	50	29.67	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-008	126.89191170	19.84477931	126	53	30.88	19	50	41.21	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-009	126.90931880	19.84770756	126	54	33.55	19	50	51.75	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-010	126.92677540	19.85035739	126	55	36.39	19	51	1.29	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-011	126.94427680	19.85273094	126	56	39.4	19	51	9.83	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-012	126.96181640	19.85482821	126	57	42.54	19	51	17.38	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-013	126.97939190	19.85664498	126	58	45.81	19	51	23.92	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-014	126.99699890	19.85818337	126	59	49.2	19	51	29.46	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-015	127.01462830	19.85944127	127	0	52.66	19	51	33.99	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10

<sup>1</sup> The continental margin is defined by fixed points ECS-B-002 to ECS-B-225.

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-016	127.03228020	19.86042080	127	1	56.21	19	51	37.51	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-017	127.04994560	19.86111987	127	2	59.8	19	51	40.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-018	127.06762000	19.86153632	127	4	3.43	19	51	41.53	Art 76 (4)(a)(ii): FOS + 60M	0.991	BR-FOS10
ECS-B-019	127.08514380	19.86167444	127	5	6.52	19	51	42.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-020	127.10282490	19.86153420	127	6	10.17	19	51	41.52	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-021	127.12049930	19.86111349	127	7	13.8	19	51	40.01	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-022	127.13816470	19.86041231	127	8	17.39	19	51	37.48	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-023	127.15581660	19.85943064	127	9	20.94	19	51	33.95	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-024	127.17344600	19.85817062	127	10	24.41	19	51	29.41	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-025	127.19105070	19.85663010	127	11	27.78	19	51	23.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-026	127.20862630	19.85481121	127	12	31.05	19	51	17.32	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-027	127.22616810	19.85271181	127	13	34.21	19	51	9.76	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-028	127.24366730	19.85033614	127	14	37.2	19	51	1.21	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-029	127.26112380	19.84768206	127	15	40.05	19	50	51.66	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-030	127.27853090	19.84475169	127	16	42.71	19	50	41.11	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-031	127.29588190	19.84154500	127	17	45.17	19	50	29.56	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-032	127.31317220	19.83806623	127	18	47.42	19	50	17.04	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-033	127.33039960	19.83431112	127	19	49.44	19	50	3.52	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-034	127.34755750	19.83028389	127	20	51.21	19	49	49.02	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-035	127.36464120	19.82598451	127	21	52.71	19	49	33.54	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-036	127.38164630	19.82141511	127	22	53.93	19	49	17.09	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-037	127.39856830	19.81657564	127	23	54.85	19	48	59.67	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-038	127.41540050	19.81147035	127	24	55.44	19	48	41.29	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-039	127.43213830	19.80609707	127	25	55.7	19	48	21.95	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-040	127.44877960	19.80046002	127	26	55.61	19	48	1.66	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-041	127.46531760	19.79455919	127	27	55.14	19	47	40.41	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-042	127.48174780	19.78839667	127	28	54.29	19	47	18.23	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-043	127.49806570	19.78197455	127	29	53.04	19	46	55.11	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-044	127.51426910	19.77529493	127	30	51.37	19	46	31.06	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-045	127.53034890	19.76835990	127	31	49.26	19	46	6.10	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-046	127.54630300	19.76116942	127	32	46.69	19	45	40.21	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-047	127.56212900	19.75372772	127	33	43.66	19	45	13.42	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-048	127.57781810	19.74603476	127	34	40.15	19	44	45.73	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-049	127.59337020	19.73809476	127	35	36.13	19	44	17.14	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-050	127.60877630	19.72990979	127	36	31.59	19	43	47.68	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-051	127.62403640	19.72147984	127	37	26.53	19	43	17.33	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-052	127.63914390	19.71281124	127	38	20.92	19	42	46.12	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-053	127.65409630	19.70390181	127	39	14.75	19	42	14.05	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-054	127.66888710	19.69475791	127	40	7.99	19	41	41.13	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-055	127.68351170	19.68537950	127	41	0.64	19	41	7.37	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-056	127.69797000	19.67577290	127	41	52.69	19	40	32.78	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-057	127.71225550	19.66593597	127	42	44.12	19	39	57.37	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-058	127.72636350	19.65587290	127	43	34.91	19	39	21.14	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-059	127.74028970	19.64559003	127	44	25.04	19	38	44.12	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-060	127.75403160	19.63508733	127	45	14.51	19	38	6.31	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-061	127.76758720	19.62436689	127	46	3.31	19	37	27.72	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-062	127.78094970	19.61343290	127	46	51.42	19	36	48.36	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-063	127.79411450	19.60228959	127	47	38.81	19	36	8.24	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-064	127.80708170	19.59093692	127	48	25.49	19	35	27.37	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-065	127.81984450	19.57938121	127	49	11.44	19	34	45.77	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-066	127.83240070	19.56762457	127	49	56.64	19	34	3.45	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-067	127.84474580	19.55567120	127	50	41.08	19	33	20.42	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-068	127.85687980	19.54352318	127	51	24.77	19	32	36.68	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-069	127.86879590	19.53118474	127	52	7.67	19	31	52.27	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-070	127.88048970	19.51865796	127	52	49.76	19	31	7.17	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-071	127.89196120	19.50594919	127	53	31.06	19	30	21.42	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-072	127.90320590	19.49305837	127	54	11.54	19	29	35.01	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-073	127.91422150	19.47999186	127	54	51.2	19	28	47.97	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-074	127.92500350	19.46675175	127	55	30.01	19	28	0.31	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-075	127.93554970	19.45334225	127	56	7.98	19	27	12.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-076	127.94585790	19.43976972	127	56	45.09	19	26	23.17	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-077	127.95592350	19.42603198	127	57	21.32	19	25	33.72	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-078	127.96574430	19.41213964	127	57	56.68	19	24	43.70	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-079	127.97532040	19.39809054	127	58	31.15	19	23	53.13	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-080	127.98464490	19.38389316	127	59	4.72	19	23	2.02	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-081	127.99371790	19.36954960	127	59	37.38	19	22	10.38	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-082	128.00253490	19.35506407	128	0	9.13	19	21	18.23	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-083	128.01109580	19.34044081	128	0	39.94	19	20	25.59	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-084	128.01939850	19.32568404	128	1	9.83	19	19	32.46	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-085	128.02743840	19.31079799	128	1	38.78	19	18	38.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-086	128.03521330	19.29578476	128	2	6.77	19	17	44.83	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-087	128.04272550	19.28065285	128	2	33.81	19	16	50.35	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-088	128.04996590	19.26540222	128	2	59.88	19	15	55.45	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-089	128.05693910	19.25003710	128	3	24.98	19	15	0.13	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-090	128.06364050	19.23456601	128	3	49.11	19	14	4.44	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-091	128.07006570	19.21899104	128	4	12.24	19	13	8.37	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-092	128.07621690	19.20331430	128	4	34.38	19	12	11.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-093	128.08209190	19.18754429	128	4	55.53	19	11	15.16	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-094	128.08768840	19.17168100	128	5	15.68	19	10	18.05	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-095	128.09300420	19.15573292	128	5	34.82	19	9	20.64	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-096	128.09803920	19.13970218	128	5	52.94	19	8	22.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-097	128.10279130	19.12359301	128	6	10.05	19	7	24.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-098	128.10726040	19.10741181	128	6	26.14	19	6	26.68	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-099	128.11144210	19.09116068	128	6	41.19	19	5	28.18	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-100	128.11533850	19.07484601	128	6	55.22	19	4	29.45	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-101	128.11894750	19.05847207	128	7	8.21	19	3	30.50	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-102	128.12226910	19.04204309	128	7	20.17	19	2	31.36	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-103	128.12530310	19.02556334	128	7	31.09	19	1	32.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-104	128.12804520	19.00903708	128	7	40.96	19	0	32.53	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-105	128.13049760	18.99247071	128	7	49.79	18	59	32.89	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-106	128.13265810	18.97586848	128	7	57.57	18	58	33.13	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-107	128.13452880	18.95923252	128	8	4.3	18	57	33.24	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-108	128.13610540	18.94256925	128	8	9.98	18	56	33.25	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-109	128.13739220	18.92588505	128	8	14.61	18	55	33.19	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-110	128.13838480	18.90918207	128	8	18.19	18	54	33.06	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-111	128.13908550	18.89246457	128	8	20.71	18	53	32.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-112	128.13949200	18.87573898	128	8	22.17	18	52	32.66	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-113	128.13960650	18.85900741	128	8	22.58	18	51	32.43	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-114	128.13942910	18.84227844	128	8	21.94	18	50	32.20	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-115	128.13895750	18.82555419	128	8	20.25	18	49	32.00	Art 76 (4)(a)(ii): FOS + 60M	15.195	BR-FOS10
ECS-B-116	128.13179570	18.57140926	128	7	54.46	18	34	17.07	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10; BR-FOS11
ECS-B-117	128.13103440	18.55469433	128	7	51.72	18	33	16.90	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS11
ECS-B-118	128.12998330	18.53799272	128	7	47.94	18	32	16.77	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS11
ECS-B-119	128.12863810	18.52131090	128	7	43.1	18	31	16.72	Art 76 (4)(a)(ii): FOS + 60M	59.106	BR-FOS11
ECS-B-120	128.18907680	17.53399394	128	11	20.68	17	32	2.38	Art 76 (4)(a)(ii): FOS + 60M	59.695	BR-FOS11; BR-FOS15
ECS-B-121	128.92454320	16.82821749	128	55	28.36	16	49	41.58	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS15; BR-FOS20
ECS-B-122	128.93670640	16.81626715	128	56	12.14	16	48	58.56	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-123	128.94865850	16.80412351	128	56	55.17	16	48	14.84	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-124	128.96039950	16.79178872	128	57	37.44	16	47	30.44	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-125	128.97192260	16.77926706	128	58	18.92	16	46	45.36	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-126	128.98322560	16.76656066	128	58	59.61	16	45	59.62	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-127	128.99430640	16.75367381	128	59	39.5	16	45	13.23	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-128	129.00516030	16.74061080	129	0	18.58	16	44	26.20	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-129	129.01578730	16.72737592	129	0	56.83	16	43	38.55	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-130	129.02618080	16.71397130	129	1	34.25	16	42	50.30	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-131	129.03634080	16.70039908	129	2	10.83	16	42	1.44	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-132	129.04626270	16.68666787	129	2	46.55	16	41	12.00	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-133	129.05594430	16.67277547	129	3	21.4	16	40	21.99	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-134	129.06538330	16.65873268	129	3	55.38	16	39	31.44	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-135	129.07457530	16.64453730	129	4	28.47	16	38	40.33	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-136	129.08352030	16.63019578	129	5	0.67	16	37	48.70	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-137	129.09221600	16.61571460	129	5	31.98	16	36	56.57	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-138	129.10065790	16.60109156	129	6	2.37	16	36	3.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-139	129.10884610	16.58633745	129	6	31.85	16	35	10.81	Art 76 (4)(a)(ii): FOS + 60M	34.955	BR-FOS20
ECS-B-140	129.38574280	16.06602532	129	23	8.67	16	3	57.69	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20; BR-FOS21
ECS-B-141	129.39339640	16.05101529	129	23	36.23	16	3	3.66	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-142	129.40078730	16.03588250	129	24	2.83	16	2	9.18	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-143	129.40791770	16.02063344	129	24	28.5	16	1	14.28	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21



ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-144	129.41478080	16.00527241	129	24	53.21	16	0	18.98	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-145	129.42137890	15.98980156	129	25	16.96	15	59	23.29	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-146	129.42770980	15.97422740	129	25	39.76	15	58	27.22	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-147	129.43376890	15.95855206	129	26	1.57	15	57	30.79	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-148	129.43955630	15.94278206	129	26	22.4	15	56	34.02	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-149	129.44506970	15.92691952	129	26	42.25	15	55	36.91	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-150	129.45030920	15.91097097	129	27	1.11	15	54	39.50	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-151	129.45527240	15.89493854	129	27	18.98	15	53	41.78	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-152	129.45995710	15.87883092	129	27	35.85	15	52	43.79	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-153	129.46436560	15.86264809	129	27	51.72	15	51	45.53	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-154	129.46849110	15.84639655	129	28	6.57	15	50	47.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-155	129.47233810	15.83008064	129	28	20.42	15	49	48.29	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-156	129.47590220	15.81370469	129	28	33.25	15	48	49.34	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-157	129.47918330	15.79727304	129	28	45.06	15	47	50.18	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-158	129.48218140	15.78079219	129	28	55.85	15	46	50.85	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-159	129.48489430	15.76426432	129	29	5.62	15	45	51.35	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-160	129.48732200	15.74769376	129	29	14.36	15	44	51.70	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-161	129.48946450	15.73108702	129	29	22.07	15	43	51.91	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-162	129.49131950	15.71444846	129	29	28.75	15	42	52.01	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-163	129.49288930	15.69778242	129	29	34.4	15	41	52.02	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-164	129.49416940	15.68109324	129	29	39.01	15	40	51.94	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-165	129.49516430	15.66438528	129	29	42.59	15	39	51.79	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-166	129.49587170	15.64766287	129	29	45.14	15	38	51.59	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-167	129.49628940	15.63093255	129	29	46.64	15	37	51.36	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-168	129.49642190	15.61419649	129	29	47.12	15	36	51.11	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-169	129.49626470	15.59746340	129	29	46.55	15	35	50.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-170	129.49582010	15.58073329	129	29	44.95	15	34	50.64	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-171	129.49508790	15.56401268	129	29	42.32	15	33	50.45	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-172	129.49407060	15.54730593	129	29	38.65	15	32	50.30	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-173	129.49276360	15.53061741	129	29	33.95	15	31	50.22	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-174	129.49117130	15.51395365	129	29	28.22	15	30	50.23	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-175	129.48929380	15.49731684	129	29	21.46	15	29	50.34	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-176	129.48713110	15.48071134	129	29	13.67	15	28	50.56	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-177	129.48468320	15.46414587	129	29	4.86	15	27	50.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-178	129.48195010	15.44762045	129	28	55.02	15	26	51.43	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-179	129.47893620	15.43114162	129	28	44.17	15	25	52.11	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-180	129.47563720	15.41471375	129	28	32.29	15	24	52.97	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-181	129.47205960	15.39834339	129	28	19.41	15	23	54.04	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-182	129.46820140	15.38203055	129	28	5.52	15	22	55.31	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-183	129.46406460	15.36578398	129	27	50.63	15	21	56.82	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-184	129.45964940	15.34960368	129	27	34.74	15	20	58.57	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-185	129.45495800	15.33350057	129	27	17.85	15	20	0.60	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-186	129.44999030	15.31747248	129	26	59.96	15	19	2.90	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-187	129.44474860	15.30152817	129	26	41.09	15	18	5.50	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-188	129.43923740	15.28566982	129	26	21.25	15	17	8.41	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-189	129.43345230	15.26990400	129	26	0.43	15	16	11.65	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-190	129.42739990	15.25423291	129	25	38.64	15	15	15.24	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-191	129.42108020	15.23866312	129	25	15.89	15	14	19.19	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-192	129.41449560	15.22319465	129	24	52.18	15	13	23.50	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-193	129.40764820	15.20783625	129	24	27.53	15	12	28.21	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-194	129.40053800	15.19259012	129	24	1.94	15	11	33.32	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-195	129.39316730	15.17746284	129	23	35.4	15	10	38.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-196	129.38554060	15.16245442	129	23	7.95	15	9	44.84	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-197	129.37765790	15.14757144	129	22	39.57	15	8	51.26	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-198	129.36952140	15.13281830	129	22	10.28	15	7	58.15	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-199	129.36113570	15.11819938	129	21	40.09	15	7	5.52	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-200	129.35250060	15.10371690	129	21	9	15	6	13.38	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-201	129.34362080	15.08937524	129	20	37.03	15	5	21.75	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-202	129.33449610	15.07518099	129	20	4.19	15	4	30.65	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-203	129.32512890	15.06113417	129	19	30.46	15	3	40.08	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-204	129.31552590	15.04724137	129	18	55.89	15	2	50.07	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-205	129.30568710	15.03350479	129	18	20.47	15	2	0.62	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-206	129.29561480	15.01992884	129	17	44.21	15	1	11.74	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-207	129.28531110	15.00652010	129	17	7.12	15	0	23.47	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-208	129.27478290	14.99327640	129	16	29.22	14	59	35.80	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-209	129.26402780	14.98020653	129	15	50.5	14	58	48.74	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-210	129.25305260	14.96731051	129	15	10.99	14	58	2.32	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-211	129.24185960	14.95459492	129	14	30.69	14	57	16.54	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-212	129.23045100	14.94206198	129	13	49.62	14	56	31.42	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-213	129.21883130	14.92971391	129	13	7.79	14	55	46.97	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-214	129.20700270	14.91755511	129	12	25.21	14	55	3.20	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-215	129.19496750	14.90558998	129	11	41.88	14	54	20.12	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-216	129.18273250	14.89382074	129	10	57.84	14	53	37.75	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-217	129.17029530	14.88224960	129	10	13.06	14	52	56.10	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-218	129.15766500	14.87088096	129	9	27.59	14	52	15.17	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-219	129.14484380	14.85971923	129	8	41.44	14	51	34.99	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-220	129.13183390	14.84876663	129	7	54.6	14	50	55.56	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-221	129.11863990	14.83802318	129	7	7.1	14	50	16.88	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-222	129.10526400	14.82749547	129	6	18.95	14	49	38.98	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-223	129.09171070	14.81718573	129	5	30.16	14	49	1.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-224	129.07798440	14.80709616	129	4	40.74	14	48	25.55	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-225	129.06408970	14.79722898	129	3	50.72	14	47	50.02	Art 76 (4)(a)(ii): FOS + 60M	58.685	BR-FOS21
ECS-B-226	128.24611111	14.22289444	128	14	46.00	14	13	22.42		N/A	BR-FOS21



## ANNEX II

### LIST OF THE MATERIAL CONTAINED IN THE ORIGINAL SUBMISSION OF THE PHILIPPINES MADE TO THE COMMISSION ON 8 APRIL 2009 AND REVISED ON 17 JUNE 2009

1. Executive summary of the Submission of the Philippines was submitted in 22 copies in paper format and two copies in electronic format.
2. Main Body of the Submission of the Philippines was submitted in eight copies as a text and figures document in paper format and two copies in electronic format.
3. The supporting data of the Submission of the Philippines was submitted with five volumes of references and 3 volumes of supporting documentation in 2 copies in paper format, where appropriate, and electronic format. Additional documentation, scientific data including bathymetric data, maps and GIS data was also supplied in electronic format.

## ANNEX III

### LIST OF ADDITIONAL MATERIAL SUBMITTED TO THE COMMISSION BY THE PHILIPPINES

- I. 25 August 2009
  1. Opening Statement of H. E. Mr. Hilario G. Davide, Jr.
  2. The Philippines' Partial Submission for an Extended Continental Shelf in the Benham Rise Region under Article 76 of the 1982 UNCLOS, Speaking Notes.
- II. 20 April 2011
  1. Activation instructions for Manifold GIS.
- III. 15 July 2011:
  1. Response of the Republic of the Philippines to the Presentation of the Subcommittee to the Philippine Delegation, Response to the letter of the Subcommittee dated 16 May 2011, RP-BR-R1;
  2. Additional bathymetric data on the Benham Rise Region;
  3. Amended texts of Executive Summary and Main Body.
- IV. 30 August 2011:
  1. Response to the Preliminary Considerations of the CLCS Subcommittee, RP-BR-R2;
  2. Script for the Presentation of the Response to the Preliminary Considerations of the CLCS Subcommittee.
- V. 2 September 2011:
  1. Preliminary Response to the Subcommittee.
- VI. 27 October 2011:
  1. Response of the Republic of the Philippines to the Presentation of the Subcommittee to the Philippine Delegation, Response to the 2 September 2011 Presentation of the Subcommittee, RP-BR-R3.
- VII. 6 December 2011:
  1. Response to the Presentation of the Subcommittee to the Philippines on 2 September 2011 on the Location of FOS 23;
  2. Opening Statement by the Head of the Delegation, Usec. Tiangco.
- VIII. 7 December 2011:
  1. Response and Request for Clarification by the Philippine Delegation, RP-BR-R4.
- IX. 8 December 2011:
  1. Response to the Presentation of the Subcommittee to the Philippines on 7 December 2011;
  2. Response of the Republic of the Philippines to the Presentation of the Subcommittee for Consideration of the Submission in the Benham Rise Region, RP-BR-R5;
  3. Tables of Outer Limit Fixed Points.
- X. 9 December 2011:
  1. Response of the Republic of the Philippines to the Subcommittee for Consideration of the Submission in the Benham Rise Region Pertaining to the Distances Between Fixed Points ECS-B-233 and ECS-B-234, RP-BR-R6.

XI. 29 March 2012:

1. Comments of the Republic of the Philippines on the Views and General Conclusions of the Subcommittee for Consideration of the Submission of the Philippines in the Benham Rise Region, RP-BR-R7;
2. Tables of Outer Limit Fixed Points.

XII. 12 April 2012:

1. Presentation of the Republic of the Philippines to the Commission on the Limits of the Continental Shelf with respect to the Submission on the Benham Rise Region;
2. Final Presentation of the Republic of the Philippines to the Commission on the Limits of the Continental Shelf with respect to the Submission on the Benham Rise Region, RP-BR-R8.

## ANNEX IV

### LIST OF DOCUMENTS SUPPLIED TO THE DELEGATION BY THE SUBCOMMISSION

- I. 16 May 2011:
  1. Preliminary considerations, SCPHL\_DOC\_PHL\_001\_16\_05\_2011.pdf.
- II. 2 September 2011:
  1. Presentation to the Philippine Delegation, SCPHL\_DOC\_PHL\_002\_02\_09\_2011.pdf.
- III. 7 December 2011:
  1. Presentation to the Philippine Delegation, SCPHL\_DOC\_PHL\_003\_07\_12\_2011.pdf.
- IV. 9 December 2011:
  1. Response to request for clarification by the Philippine Delegation made on 7 December 2011, SCPHL\_DOC\_PHL\_004\_09\_12\_2011.pdf.
- V. 9 December 2011:
  1. Response of the Subcommission to the presentation made by the Philippine Delegation on 8 December 2011, SCPHL\_DOC\_PHL\_005\_09\_12\_2011.pdf.

## ANNEX V

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## Commission on the Limits of the Continental Shelf

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### **SUMMARY OF RECOMMENDATIONS OF THE COMMISSION ON THE LIMITS OF THE CONTINENTAL SHELF IN REGARD TO THE SUBMISSION MADE BY THE PHILIPPINES IN RESPECT OF THE BENHAM RISE REGION ON 8 APRIL 2009<sup>1</sup>**

Recommendations prepared by the Subcommittee established for the consideration  
of the Submission made by the Philippines

Adopted by the Subcommittee on 2 April 2012, and submitted to the Commission on  
the Limits of the Continental Shelf for consideration and approval by the Commission

Adopted by the Commission on 12 April 2012

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<sup>1</sup> The aim of this Summary is to provide information which is not of confidential or proprietary nature in order to facilitate the function of the Secretary-General in accordance with Rule 11.3 of Annex III to the Rules of Procedure of the Commission (CLCS/40/Rev.1). This Summary is based on excerpts of the Recommendations and may refer to material not necessarily included either in the full Recommendations or this Summary.

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## **I. INTRODUCTION**

- 1 On 8 April 2009, the Republic of the Philippines ("the Philippines") submitted to the Commission on the Limits of the Continental Shelf through the Secretary-General of the United Nations, information on the limits of the continental shelf beyond 200 nautical miles from the baselines from which the breadth of the territorial sea is measured, in accordance with article 76, paragraph 8 of the United Nations Convention on the Law of the Sea of 10 December 1982. The Convention entered into force for the Philippines on 16 November 1994.

## **II. GENERAL PRINCIPLES ON WHICH THESE RECOMMENDATIONS ARE BASED**

- 2 The Recommendations of the Commission are based on the scientific and technical data and other material provided by the Philippines in relation to the implementation of article 76. The Recommendations of the Commission only deal with issues related to article 76 and Annex II to the Convention and are without prejudice to matters relating to delimitation between States, or application of other parts of the Convention or any other treaties.

## **III. RECOMMENDATIONS**

### **1. Geographical and geological description of the region**

- 3 The continental margin of the Philippines in the Benham Rise Region is bounded to the north and east by the West Philippine Basin, and to the west and south by the Philippine island of Luzon.
- 4 The Benham Rise region consists of the Benham Rise itself, Molave Spur, Molave Saddle, Narra Spur and Narra Saddle (Figure 1). The Benham Rise is connected to the Philippine archipelago along Bicol Saddle to the southwest and Palanan Saddle to the east.
- 5 The Benham Rise, Molave Spur and Narra Spur constitute a volcanic plateau which stands about 3,500 m above the surrounding seafloor at its crest and about 500 m above the surrounding seafloor along its northern and eastern margins. To the west and southwest, it is connected with the eastern margin of Luzon through the Palanan and Bicol saddles, respectively. The Benham Rise was formed about 37 Ma by intraplate igneous activity resulting in significantly thicker crust than that of the deep ocean floor of the West Philippine Basin. The Benham Rise was accreted to Luzon about 20 Ma along a fossil subduction zone at the East Luzon margin.

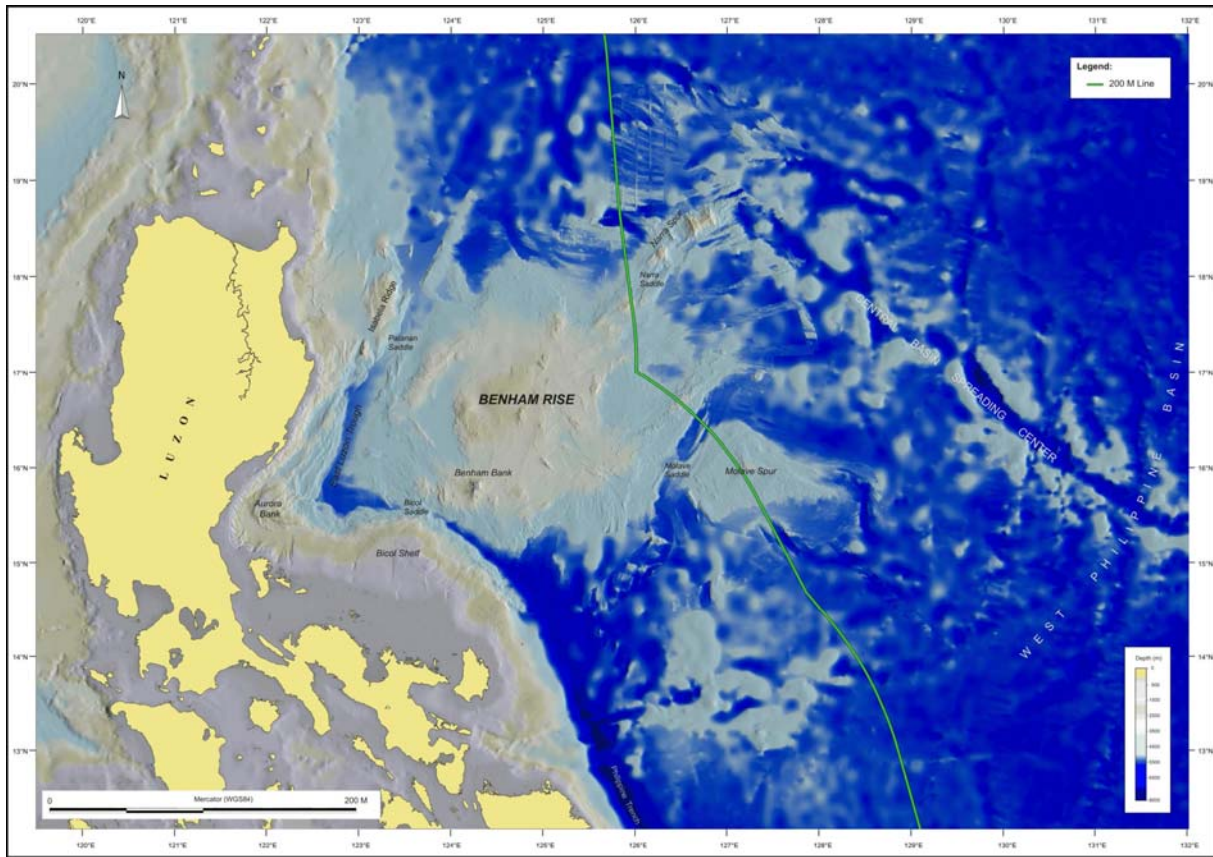


Figure 1. Benham Rise Region with the 200 M limit of the Philippines (Source: Figure 2.9 of the Main Body)

## 2. Notes verbales submitted by other States

6 The Commission received no notes verbales from other States in relation to the Submission.

## 3. Submerged prolongation of the land mass and entitlement to the continental shelf beyond 200 M

7 The Philippine islands, including Luzon, constitute the land mass in the region. The Benham Rise and its subsidiaries, the Molave and Narra spurs, form a composite morphological feature that constitutes the submarine prolongation of that land mass by way of the FOS envelope.

8 The outer edge of the continental margin, established from the FOS of the Benham Rise Region by applying the provisions of article 76, paragraph 4, of the Convention, extends beyond the 200 M limits of the Philippines. On this basis, the Commission recognises the legal entitlement of the Philippines to delineate the outer limits of its continental shelf beyond its 200 M limits in this region.

## 4. The determination of the foot of the continental slope

9 The FOS should be established in accordance with article 76, paragraph 4(b), of the Convention.

#### 4.1 Considerations

- 10 The Philippines originally submitted eight critical FOS points that generate formula points beyond the 200 M limits of the Philippines in the Benham Rise Region, BR-FOS-7, -9, -10, -11, -15, -20, -21 and -23.
- 11 The base of the slope zone (BOS) in which these FOS points were established, was determined by the Philippines on the basis of morphology of the flanks of the Benham Rise and its subsidiaries, the Narra and Molave spurs.
- 12 The Commission agrees with the Philippines that the continental rise is absent in this region and therefore, the BOS is located where the lower slope merges with the deep ocean floor. In the view of the Subcommittee, the BOS is generally easily identified on the basis of morphology. On this basis, the Subcommittee agreed with the locations of the FOS points BR-FOS-9, -10, -11, -15, -20 and -21. However, it did not agree with the FOS points BR-FOS-7 and -23.
- 13 In its communication SCPHL\_DOC\_PHL\_001\_16\_05\_2011, the Subcommittee expressed the view that the location of BR-FOS-7 on the profile submitted (Figure 2) had been compromised by the way the slope had been averaged. The line of the average slope seemed to place the FOS point away from the real base of the slope. Hence, the Subcommittee was of the view that the maximum change in gradient on this profile occurs at a point more landward (approximate distance of about 780 m) of the position of the FOS point identified by the Philippines (Figure 3).

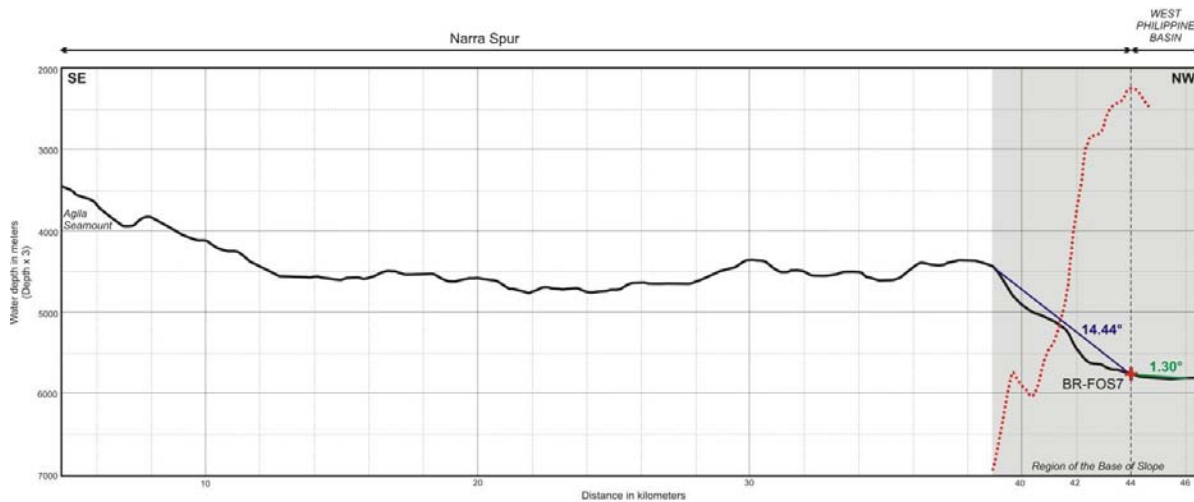


Figure 2. Bathymetric profile PR-BR7 (Source: Annex 4.2.2 of the Supporting Document)

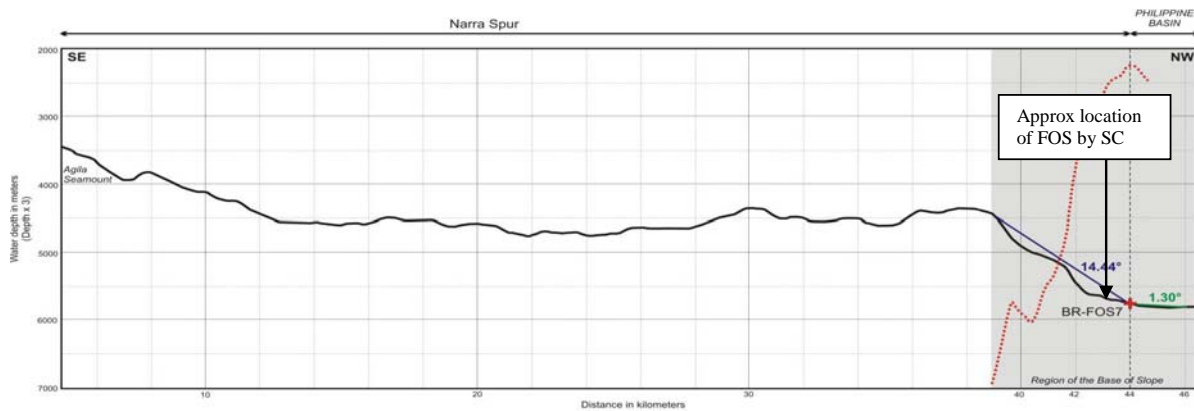


Figure 3. Bathymetric profile PR-BR7 indicating maximum change of gradient in base of slope zone (Source: Modified from Annex 4.2.2 of the Supporting Document)

- 14 In its response RP-BR-R2 the Philippines identified a revised location for the point BR-FOS-7 in accordance with the view of the Subcommittee. The Commission agrees with this location.
- 15 The FOS point BR-FOS-23 was located at the seaward end of an elevated feature separated from the Molave Spur by a low-lying area which was, in the view of the Philippines is a saddle connecting it to the Molave Spur (Figures 4a and b). In its communication SCPHL\_DOC\_PHL\_002\_02\_09\_2011 the Subcommittee expressed the view that the base of slope is approximately at 5,000 to 5,100 m depth in this area (Figure 5) with the result that this low-lying area is part of the deep ocean floor. Consequently, the elevated feature is not a part of the submerged prolongation of the Molave Spur. The Subcommittee therefore asked that point BR-FOS-23 be replaced by a new FOS point.



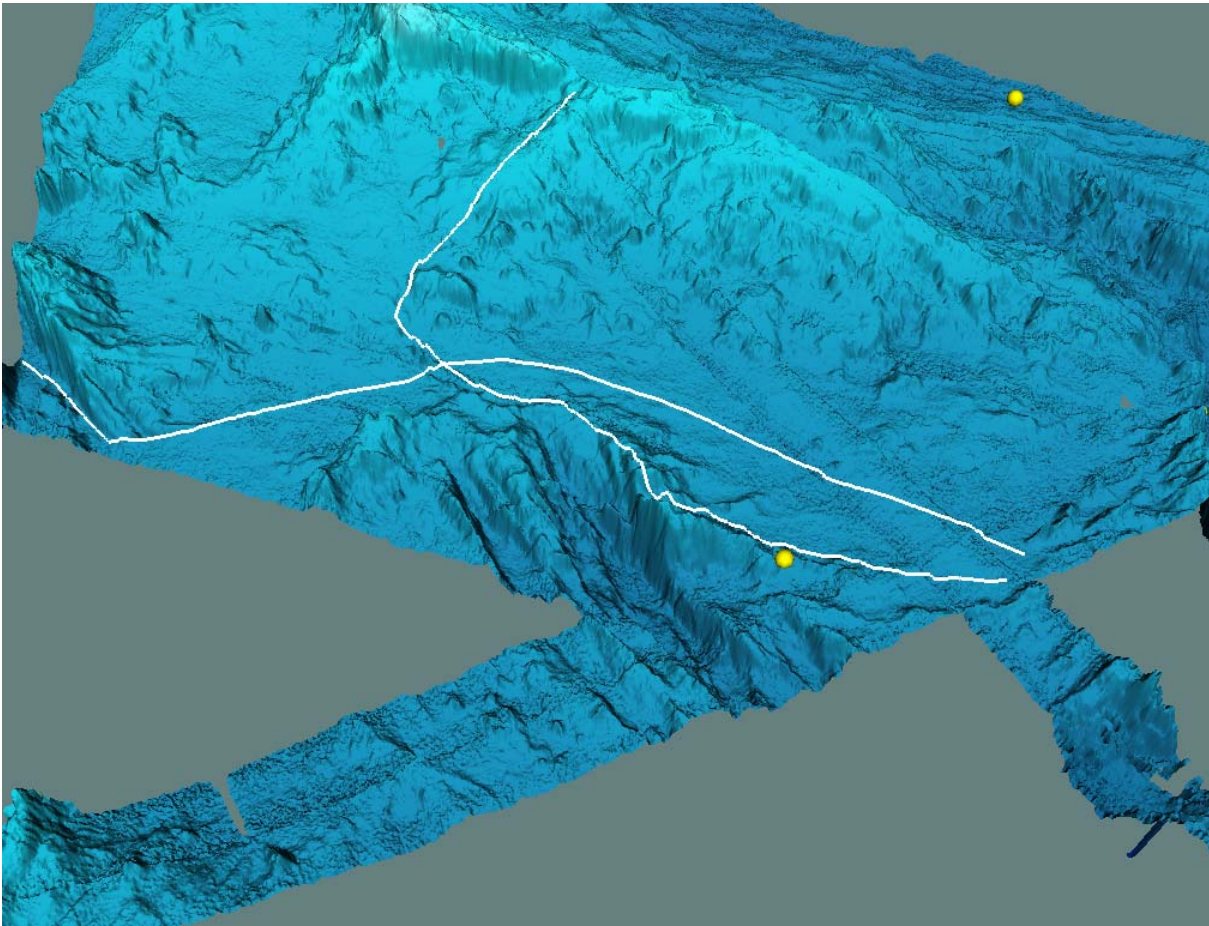


Figure 4a. Location of profile from Molave Spur along crest of saddle and through BR-FOS-23, and profile along saddle. (Figure created by Subcommittee from materials provided by Delegation)

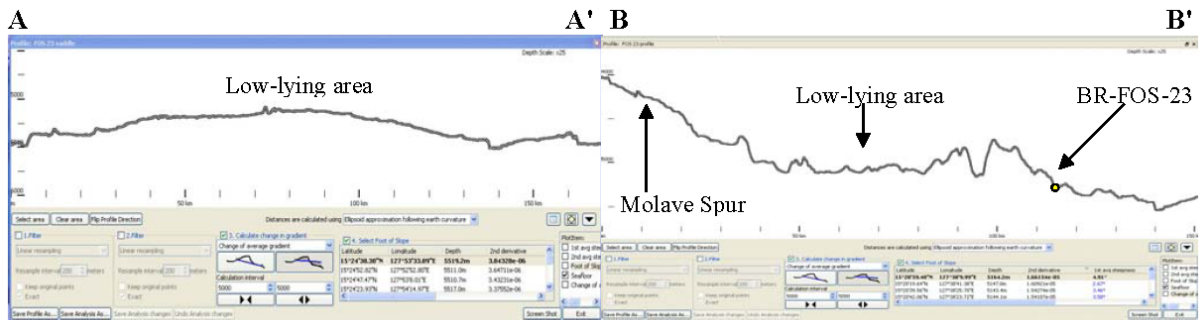


Figure 4b. Profile along low-lying area, left. Profile from Molave Spur along crest of low-lying area and through BR-FOS-23, right. (Figure created by Subcommittee from materials provided by Delegation)

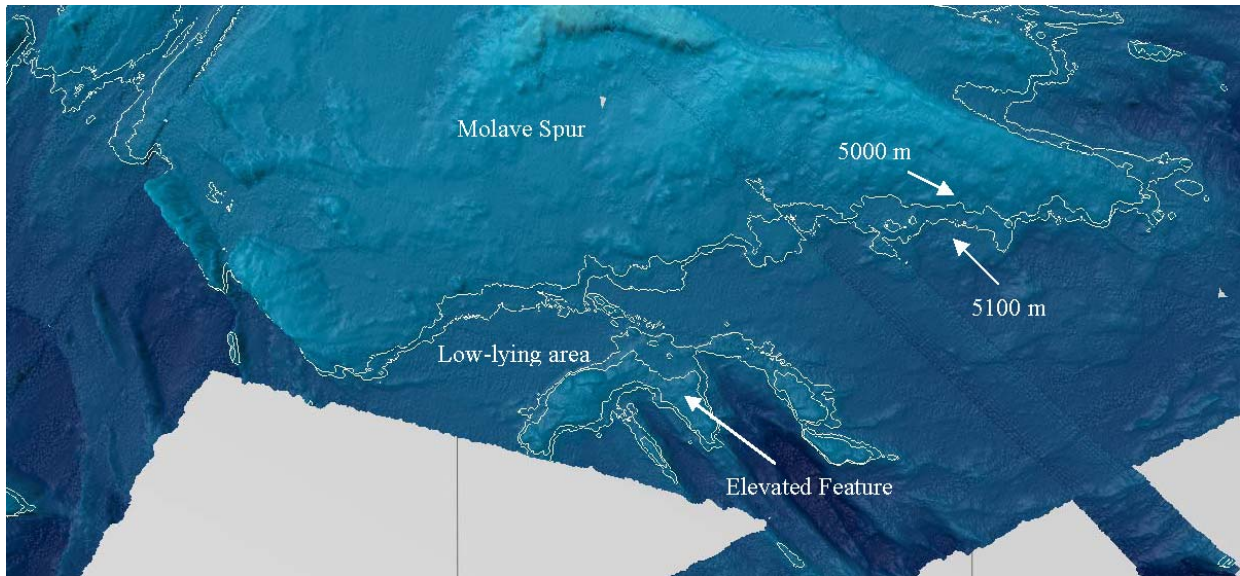


Figure 5. 5,000 and 5,100 m isobaths around the Molave Spur and the elevated feature. (Figure created by Subcommittee from materials provided by Delegation)

- 16 After a series of interactions between the Subcommittee and the Delegation of the Philippines, the Philippines submitted a revised method of bridging the formula line and the 200 M line. By this method, the last fixed point on the 60 M arc, generated from BR-FOS-21, was joined to the 200 M limit by the line of shortest distance, not longer than 60 M. In this way, FOS point BR-FOS-23 became redundant with respect to the establishment of the outer limit, and no longer counts as a critical FOS point. The Subcommittee agreed with this approach in its Communication SCPHL\_LET\_PHL\_005\_09\_12\_2011.
- 17 Following this agreed approach, the Delegation of the Philippines also submitted a revised bridging with the northern 200 M line of the Philippines based on the same principle. By doing so, the FOS points BR-FOS-7 and -9 became redundant with respect to the establishment of the outer limit, and no longer count as critical FOS points. The Subcommittee agreed with this approach.
- 18 As a result of the examination and consideration of the material and information originally submitted together with those provided during the interactions with the Delegation of the Philippines, the Subcommittee agreed with the location of the points BR-FOS-7 (as revised), -9, -10, -11, -15, -20 and -21, of which BR-FOS-10, -11, -15, -20 and -21 are critical FOS points.

#### 4.2 Recommendations

- 19 The Commission concludes that, in the Benham Rise Region, the five critical FOS points referred to above and listed in Table 1 of Annex I, fulfil the requirements of article 76 and Chapter 5 of the Guidelines. The Commission recommends that these FOS points should form the basis for the establishment of the outer edge of the continental margin in the Benham Rise Region.

## **5. The establishment of the outer edge of the continental margin**

- 20 The outer edge of the continental margin of the Philippines in the Benham Rise Region should, for the purposes of the Convention, be established in accordance with article 76, paragraphs 4 and 7, of the Convention.

### **5.1 The application of the 60 M distance formula**

- 21 For the purpose of establishing the outer edge of the continental margin in the Benham Rise Region, fixed points were determined on arcs constructed at a distance of not more than 60 M from FOS points on the continental margin of the Benham Rise Region, in accordance with the provision contained in article 76, paragraph 4(a)(ii), of the Convention. These points are listed in Table 1, Annex I.
- 22 The Commission agrees with the way these points have been established in the Benham Rise Region by the Philippines.

### **5.2 Recommendations**

- 23 In the Benham Rise Region, the outer edge of the continental margin beyond 200 M is based on points on the 60 M arcs as described in section 5.1, in accordance with article 76, paragraph 7, of the Convention. The Commission recommends that these points be used as the basis for delineating the outer limits of the continental margin in this region.

## **6. The delineation of the outer limits of the continental shelf**

- 24 The outer limits of the continental shelf should be based on the established outer edge of the continental margin, taking into consideration the constraints contained in article 76, paragraphs 5 and 6, of the Convention.

### **6.1 The application of constraint criteria**

- 25 The outer limits of the continental shelf cannot extend beyond the constraints as per the provisions contained in article 76, paragraph 5, of the Convention. Accordingly, the provision that the outer limits of the continental shelf may not exceed 350 M from the baselines from which the breadth of the territorial sea is measured may be applied in all cases. Alternatively, the provision that the outer limits of the continental shelf may not exceed 100 M from the 2,500 m isobath may be applied to those parts of the continental margin that are classified as natural components of that margin.
- 26 For the outer limits of the continental shelf in the Benham Rise Region, the Philippines has invoked the FOS plus 60 M criteria with the result that no part of the outer limits exceeds any of the constraints.

#### **6.1.1 The construction of the distance constraint line**

- 27 The distance constraint line submitted by the Philippines is constructed by arcs at 350 M distance from the baselines from which the breadth of the territorial sea of the Philippines is measured. The Commission agrees with the procedure and methods applied by the Philippines in the construction of this constraint line (Figure 6).



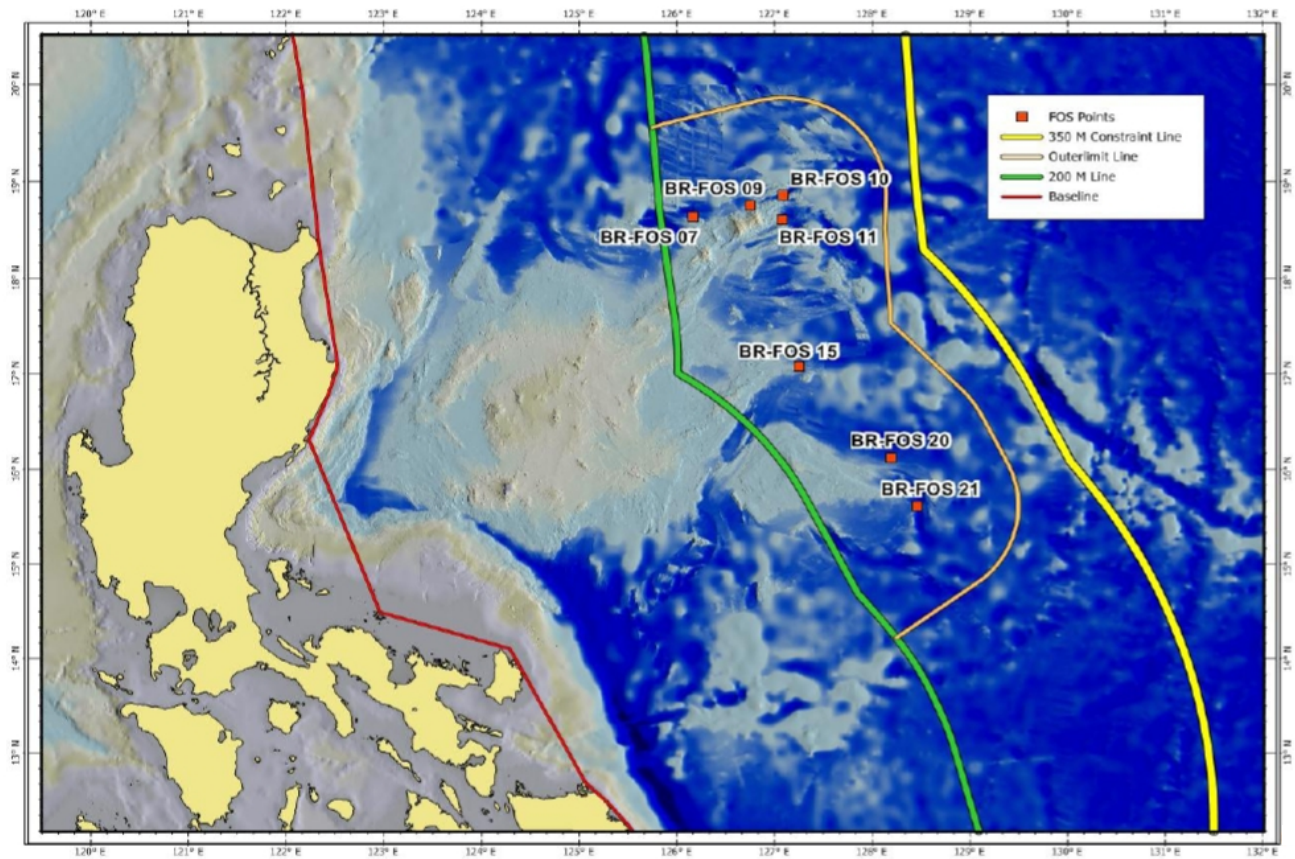


Figure 6. Location of the distance constraint line (yellow) and the outer limits of the continental shelf (pale orange) (Source: Presentation, Response to the Presentation of the Subcommittee to the Philippines on 7 December 2011, slide 6)

## 6.2 The outer limits of the continental shelf

- 28 The outer limits of the continental shelf in the Benham Rise Region as contained in the Submission of the Philippines consists of fixed points connected by straight lines not exceeding 60 M in length (Figure 6). The fixed points are listed in Table 2, Annex I, as submitted under letter of 28 March 2012. The fixed points are established by the provisions contained in article 76, paragraph 4(a), of the Convention, and points located on the 200 M limit line of the Philippines north of Narra Spur and south of Molave Spur.



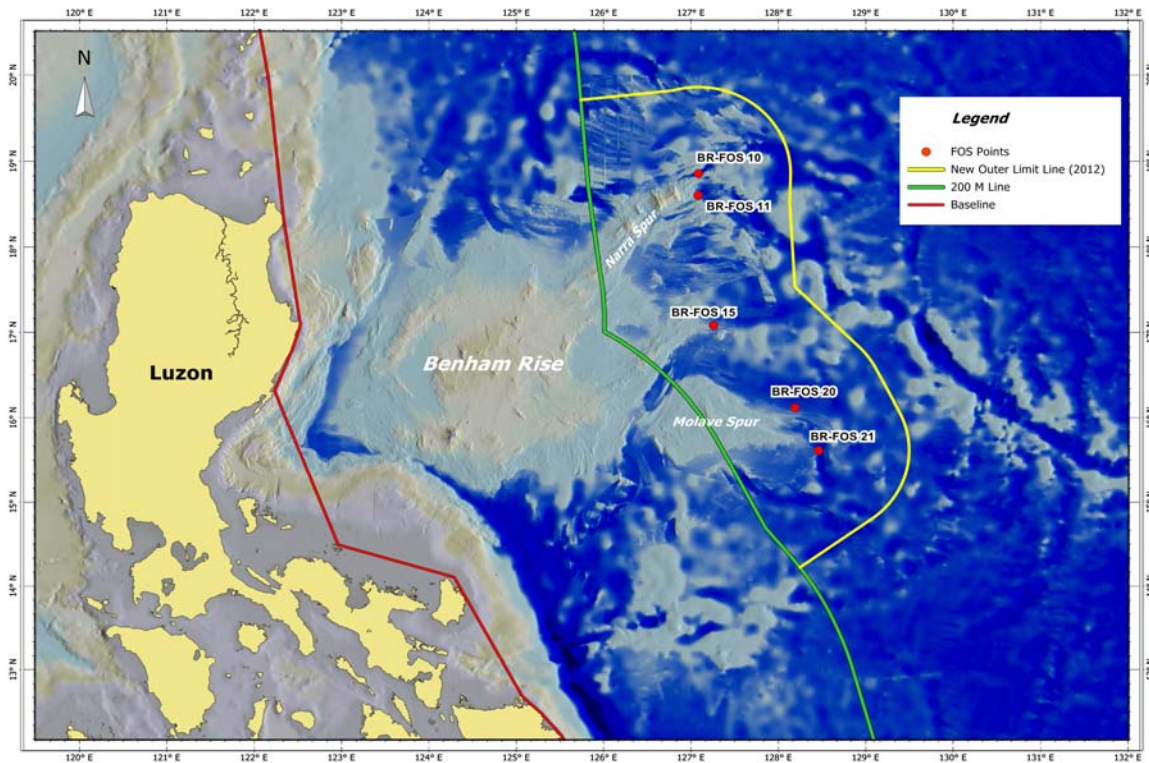


Figure 7. Map of the outer limits of the continental shelf beyond 200 M of the Philippines in the Benham Rise Region. (Source: Document RP-BR-R7 submitted under letter of 28 March 2012)

29 The Commission agrees that the determination of the last segment of the outer limits of the continental shelf may be established either by the intersection of the formula line, in accordance with Article 76, paragraph 4 and 7, and the 200 M limit from the archipelagic baselines from which the breadth of the territorial sea is measured, or by the line of shortest distance, not exceeding 60 M in length, between the last fixed formula point and the 200 M limit.

### 6.3 Recommendations

30 The Commission recommends that the delineation of the outer limits of the continental shelf in the Benham Rise Region be conducted in accordance with paragraph 7 of article 76, of the Convention by straight lines not exceeding 60 M in length, connecting fixed points, defined by coordinates of latitude and longitude. Further, the Commission agrees with the principles applied in delineating the outer limits of the continental shelf in the Benham Rise Region, including the determination of the fixed points listed in Table 2, Annex I, and the construction of the straight lines connecting those points. The Commission recommends that the Philippines proceed to establish the outer limits of the continental shelf accordingly.

**ANNEX I**

**TABLE 1. GEOGRAPHIC COORDINATES OF AGREED CRITICAL FOS POINTS**

CRITICAL FOS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)		
			DEG	MIN	SEC	DEG	MIN	SEC
BR-FOS10	127.08514404	18.85784912	127	5	6.52	18	51	28.26
BR-FOS11	127.07955278	18.60366111	127	4	46.39	18	36	13.18
BR-FOS15	127.25640869	17.08072090	127	15	23.07	17	4	50.60
BR-FOS20	128.18887329	16.11800957	128	11	19.94	16	7	4.83
BR-FOS21	128.46021940	15.61249444	128	27	36.79	15	36	44.98

**TABLE 2. GEOGRAPHIC COORDINATES AND OTHER INFORMATION RELATED TO THE ESTABLISHMENT OF THE OUTER LIMITS OF THE CONTINENTAL SHELF BEYOND 200 M IN THE BENHAM RISE REGION<sup>1</sup>**

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-001	125.73723154	19.71376345	125	44	14.03	19	42	49.55		59.852	BR-FOS10
ECS-B-002	126.78879188	19.82145761	126	47	19.65	19	49	17.25	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-003	126.80579698	19.82602277	126	48	20.87	19	49	33.68	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-004	126.82288070	19.83032001	126	49	22.37	19	49	49.15	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-005	126.84004080	19.83434512	126	50	24.15	19	50	3.64	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-006	126.85726820	19.83809811	126	51	26.17	19	50	17.15	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-007	126.87456080	19.84157475	126	52	28.42	19	50	29.67	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-008	126.89191170	19.84477931	126	53	30.88	19	50	41.21	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-009	126.90931880	19.84770756	126	54	33.55	19	50	51.75	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-010	126.92677540	19.85035739	126	55	36.39	19	51	1.29	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-011	126.94427680	19.85273094	126	56	39.4	19	51	9.83	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-012	126.96181640	19.85482821	126	57	42.54	19	51	17.38	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-013	126.97939190	19.85664498	126	58	45.81	19	51	23.92	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-014	126.99699890	19.85818337	126	59	49.2	19	51	29.46	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-015	127.01462830	19.85944127	127	0	52.66	19	51	33.99	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10

<sup>1</sup> The continental margin is defined by fixed points ECS-B-002 to ECS-B-225.

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-016	127.03228020	19.86042080	127	1	56.21	19	51	37.51	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-017	127.04994560	19.86111987	127	2	59.8	19	51	40.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-018	127.06762000	19.86153632	127	4	3.43	19	51	41.53	Art 76 (4)(a)(ii): FOS + 60M	0.991	BR-FOS10
ECS-B-019	127.08514380	19.86167444	127	5	6.52	19	51	42.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-020	127.10282490	19.86153420	127	6	10.17	19	51	41.52	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-021	127.12049930	19.86111349	127	7	13.8	19	51	40.01	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-022	127.13816470	19.86041231	127	8	17.39	19	51	37.48	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-023	127.15581660	19.85943064	127	9	20.94	19	51	33.95	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-024	127.17344600	19.85817062	127	10	24.41	19	51	29.41	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-025	127.19105070	19.85663010	127	11	27.78	19	51	23.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-026	127.20862630	19.85481121	127	12	31.05	19	51	17.32	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-027	127.22616810	19.85271181	127	13	34.21	19	51	9.76	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-028	127.24366730	19.85033614	127	14	37.2	19	51	1.21	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-029	127.26112380	19.84768206	127	15	40.05	19	50	51.66	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-030	127.27853090	19.84475169	127	16	42.71	19	50	41.11	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-031	127.29588190	19.84154500	127	17	45.17	19	50	29.56	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-032	127.31317220	19.83806623	127	18	47.42	19	50	17.04	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-033	127.33039960	19.83431112	127	19	49.44	19	50	3.52	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-034	127.34755750	19.83028389	127	20	51.21	19	49	49.02	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-035	127.36464120	19.82598451	127	21	52.71	19	49	33.54	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-036	127.38164630	19.82141511	127	22	53.93	19	49	17.09	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-037	127.39856830	19.81657564	127	23	54.85	19	48	59.67	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-038	127.41540050	19.81147035	127	24	55.44	19	48	41.29	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-039	127.43213830	19.80609707	127	25	55.7	19	48	21.95	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-040	127.44877960	19.80046002	127	26	55.61	19	48	1.66	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-041	127.46531760	19.79455919	127	27	55.14	19	47	40.41	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-042	127.48174780	19.78839667	127	28	54.29	19	47	18.23	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-043	127.49806570	19.78197455	127	29	53.04	19	46	55.11	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-044	127.51426910	19.77529493	127	30	51.37	19	46	31.06	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-045	127.53034890	19.76835990	127	31	49.26	19	46	6.10	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-046	127.54630300	19.76116942	127	32	46.69	19	45	40.21	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-047	127.56212900	19.75372772	127	33	43.66	19	45	13.42	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-048	127.57781810	19.74603476	127	34	40.15	19	44	45.73	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-049	127.59337020	19.73809476	127	35	36.13	19	44	17.14	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-050	127.60877630	19.72990979	127	36	31.59	19	43	47.68	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-051	127.62403640	19.72147984	127	37	26.53	19	43	17.33	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-052	127.63914390	19.71281124	127	38	20.92	19	42	46.12	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-053	127.65409630	19.70390181	127	39	14.75	19	42	14.05	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-054	127.66888710	19.69475791	127	40	7.99	19	41	41.13	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-055	127.68351170	19.68537950	127	41	0.64	19	41	7.37	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-056	127.69797000	19.67577290	127	41	52.69	19	40	32.78	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-057	127.71225550	19.66593597	127	42	44.12	19	39	57.37	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-058	127.72636350	19.65587290	127	43	34.91	19	39	21.14	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-059	127.74028970	19.64559003	127	44	25.04	19	38	44.12	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-060	127.75403160	19.63508733	127	45	14.51	19	38	6.31	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-061	127.76758720	19.62436689	127	46	3.31	19	37	27.72	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-062	127.78094970	19.61343290	127	46	51.42	19	36	48.36	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-063	127.79411450	19.60228959	127	47	38.81	19	36	8.24	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-064	127.80708170	19.59093692	127	48	25.49	19	35	27.37	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-065	127.81984450	19.57938121	127	49	11.44	19	34	45.77	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-066	127.83240070	19.56762457	127	49	56.64	19	34	3.45	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-067	127.84474580	19.55567120	127	50	41.08	19	33	20.42	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-068	127.85687980	19.54352318	127	51	24.77	19	32	36.68	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-069	127.86879590	19.53118474	127	52	7.67	19	31	52.27	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-070	127.88048970	19.51865796	127	52	49.76	19	31	7.17	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-071	127.89196120	19.50594919	127	53	31.06	19	30	21.42	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-072	127.90320590	19.49305837	127	54	11.54	19	29	35.01	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-073	127.91422150	19.47999186	127	54	51.2	19	28	47.97	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-074	127.92500350	19.46675175	127	55	30.01	19	28	0.31	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-075	127.93554970	19.45334225	127	56	7.98	19	27	12.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-076	127.94585790	19.43976972	127	56	45.09	19	26	23.17	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-077	127.95592350	19.42603198	127	57	21.32	19	25	33.72	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-078	127.96574430	19.41213964	127	57	56.68	19	24	43.70	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-079	127.97532040	19.39809054	127	58	31.15	19	23	53.13	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-080	127.98464490	19.38389316	127	59	4.72	19	23	2.02	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-081	127.99371790	19.36954960	127	59	37.38	19	22	10.38	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10



ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-082	128.00253490	19.35506407	128	0	9.13	19	21	18.23	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-083	128.01109580	19.34044081	128	0	39.94	19	20	25.59	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-084	128.01939850	19.32568404	128	1	9.83	19	19	32.46	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-085	128.02743840	19.31079799	128	1	38.78	19	18	38.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-086	128.03521330	19.29578476	128	2	6.77	19	17	44.83	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-087	128.04272550	19.28065285	128	2	33.81	19	16	50.35	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-088	128.04996590	19.26540222	128	2	59.88	19	15	55.45	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-089	128.05693910	19.25003710	128	3	24.98	19	15	0.13	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-090	128.06364050	19.23456601	128	3	49.11	19	14	4.44	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-091	128.07006570	19.21899104	128	4	12.24	19	13	8.37	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-092	128.07621690	19.20331430	128	4	34.38	19	12	11.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-093	128.08209190	19.18754429	128	4	55.53	19	11	15.16	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-094	128.08768840	19.17168100	128	5	15.68	19	10	18.05	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-095	128.09300420	19.15573292	128	5	34.82	19	9	20.64	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-096	128.09803920	19.13970218	128	5	52.94	19	8	22.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-097	128.10279130	19.12359301	128	6	10.05	19	7	24.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-098	128.10726040	19.10741181	128	6	26.14	19	6	26.68	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-099	128.11144210	19.09116068	128	6	41.19	19	5	28.18	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-100	128.11533850	19.07484601	128	6	55.22	19	4	29.45	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-101	128.11894750	19.05847207	128	7	8.21	19	3	30.50	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-102	128.12226910	19.04204309	128	7	20.17	19	2	31.36	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-103	128.12530310	19.02556334	128	7	31.09	19	1	32.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-104	128.12804520	19.00903708	128	7	40.96	19	0	32.53	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-105	128.13049760	18.99247071	128	7	49.79	18	59	32.89	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-106	128.13265810	18.97586848	128	7	57.57	18	58	33.13	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-107	128.13452880	18.95923252	128	8	4.3	18	57	33.24	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-108	128.13610540	18.94256925	128	8	9.98	18	56	33.25	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-109	128.13739220	18.92588505	128	8	14.61	18	55	33.19	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-110	128.13838480	18.90918207	128	8	18.19	18	54	33.06	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-111	128.13908550	18.89246457	128	8	20.71	18	53	32.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-112	128.13949200	18.87573898	128	8	22.17	18	52	32.66	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-113	128.13960650	18.85900741	128	8	22.58	18	51	32.43	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10
ECS-B-114	128.13942910	18.84227844	128	8	21.94	18	50	32.20	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-115	128.13895750	18.82555419	128	8	20.25	18	49	32.00	Art 76 (4)(a)(ii): FOS + 60M	15.195	BR-FOS10
ECS-B-116	128.13179570	18.57140926	128	7	54.46	18	34	17.07	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS10; BR-FOS11
ECS-B-117	128.13103440	18.55469433	128	7	51.72	18	33	16.90	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS11
ECS-B-118	128.12998330	18.53799272	128	7	47.94	18	32	16.77	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS11
ECS-B-119	128.12863810	18.52131090	128	7	43.1	18	31	16.72	Art 76 (4)(a)(ii): FOS + 60M	59.106	BR-FOS11
ECS-B-120	128.18907680	17.53399394	128	11	20.68	17	32	2.38	Art 76 (4)(a)(ii): FOS + 60M	59.695	BR-FOS11; BR-FOS15
ECS-B-121	128.92454320	16.82821749	128	55	28.36	16	49	41.58	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS15; BR-FOS20
ECS-B-122	128.93670640	16.81626715	128	56	12.14	16	48	58.56	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-123	128.94865850	16.80412351	128	56	55.17	16	48	14.84	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-124	128.96039950	16.79178872	128	57	37.44	16	47	30.44	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-125	128.97192260	16.77926706	128	58	18.92	16	46	45.36	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-126	128.98322560	16.76656066	128	58	59.61	16	45	59.62	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-127	128.99430640	16.75367381	128	59	39.5	16	45	13.23	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-128	129.00516030	16.74061080	129	0	18.58	16	44	26.20	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-129	129.01578730	16.72737592	129	0	56.83	16	43	38.55	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-130	129.02618080	16.71397130	129	1	34.25	16	42	50.30	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-131	129.03634080	16.70039908	129	2	10.83	16	42	1.44	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-132	129.04626270	16.68666787	129	2	46.55	16	41	12.00	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-133	129.05594430	16.67277547	129	3	21.4	16	40	21.99	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-134	129.06538330	16.65873268	129	3	55.38	16	39	31.44	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-135	129.07457530	16.64453730	129	4	28.47	16	38	40.33	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-136	129.08352030	16.63019578	129	5	0.67	16	37	48.70	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-137	129.09221600	16.61571460	129	5	31.98	16	36	56.57	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-138	129.10065790	16.60109156	129	6	2.37	16	36	3.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20
ECS-B-139	129.10884610	16.58633745	129	6	31.85	16	35	10.81	Art 76 (4)(a)(ii): FOS + 60M	34.955	BR-FOS20
ECS-B-140	129.38574280	16.06602532	129	23	8.67	16	3	57.69	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS20; BR-FOS21
ECS-B-141	129.39339640	16.05101529	129	23	36.23	16	3	3.66	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-142	129.40078730	16.03588250	129	24	2.83	16	2	9.18	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-143	129.40791770	16.02063344	129	24	28.5	16	1	14.28	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21



ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-144	129.41478080	16.00527241	129	24	53.21	16	0	18.98	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-145	129.42137890	15.98980156	129	25	16.96	15	59	23.29	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-146	129.42770980	15.97422740	129	25	39.76	15	58	27.22	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-147	129.43376890	15.95855206	129	26	1.57	15	57	30.79	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-148	129.43955630	15.94278206	129	26	22.4	15	56	34.02	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-149	129.44506970	15.92691952	129	26	42.25	15	55	36.91	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-150	129.45030920	15.91097097	129	27	1.11	15	54	39.50	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-151	129.45527240	15.89493854	129	27	18.98	15	53	41.78	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-152	129.45995710	15.87883092	129	27	35.85	15	52	43.79	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-153	129.46436560	15.86264809	129	27	51.72	15	51	45.53	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-154	129.46849110	15.84639655	129	28	6.57	15	50	47.03	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-155	129.47233810	15.83008064	129	28	20.42	15	49	48.29	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-156	129.47590220	15.81370469	129	28	33.25	15	48	49.34	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-157	129.47918330	15.79727304	129	28	45.06	15	47	50.18	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-158	129.48218140	15.78079219	129	28	55.85	15	46	50.85	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-159	129.48489430	15.76426432	129	29	5.62	15	45	51.35	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-160	129.48732200	15.74769376	129	29	14.36	15	44	51.70	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-161	129.48946450	15.73108702	129	29	22.07	15	43	51.91	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-162	129.49131950	15.71444846	129	29	28.75	15	42	52.01	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-163	129.49288930	15.69778242	129	29	34.4	15	41	52.02	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-164	129.49416940	15.68109324	129	29	39.01	15	40	51.94	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-165	129.49516430	15.66438528	129	29	42.59	15	39	51.79	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-166	129.49587170	15.64766287	129	29	45.14	15	38	51.59	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-167	129.49628940	15.63093255	129	29	46.64	15	37	51.36	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-168	129.49642190	15.61419649	129	29	47.12	15	36	51.11	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-169	129.49626470	15.59746340	129	29	46.55	15	35	50.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-170	129.49582010	15.58073329	129	29	44.95	15	34	50.64	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-171	129.49508790	15.56401268	129	29	42.32	15	33	50.45	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-172	129.49407060	15.54730593	129	29	38.65	15	32	50.30	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-173	129.49276360	15.53061741	129	29	33.95	15	31	50.22	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-174	129.49117130	15.51395365	129	29	28.22	15	30	50.23	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-175	129.48929380	15.49731684	129	29	21.46	15	29	50.34	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-176	129.48713110	15.48071134	129	29	13.67	15	28	50.56	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-177	129.48468320	15.46414587	129	29	4.86	15	27	50.93	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-178	129.48195010	15.44762045	129	28	55.02	15	26	51.43	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-179	129.47893620	15.43114162	129	28	44.17	15	25	52.11	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-180	129.47563720	15.41471375	129	28	32.29	15	24	52.97	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-181	129.47205960	15.39834339	129	28	19.41	15	23	54.04	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-182	129.46820140	15.38203055	129	28	5.52	15	22	55.31	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-183	129.46406460	15.36578398	129	27	50.63	15	21	56.82	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-184	129.45964940	15.34960368	129	27	34.74	15	20	58.57	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-185	129.45495800	15.33350057	129	27	17.85	15	20	0.60	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-186	129.44999030	15.31747248	129	26	59.96	15	19	2.90	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-187	129.44474860	15.30152817	129	26	41.09	15	18	5.50	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-188	129.43923740	15.28566982	129	26	21.25	15	17	8.41	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-189	129.43345230	15.26990400	129	26	0.43	15	16	11.65	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-190	129.42739990	15.25423291	129	25	38.64	15	15	15.24	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-191	129.42108020	15.23866312	129	25	15.89	15	14	19.19	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-192	129.41449560	15.22319465	129	24	52.18	15	13	23.50	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-193	129.40764820	15.20783625	129	24	27.53	15	12	28.21	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-194	129.40053800	15.19259012	129	24	1.94	15	11	33.32	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-195	129.39316730	15.17746284	129	23	35.4	15	10	38.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-196	129.38554060	15.16245442	129	23	7.95	15	9	44.84	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-197	129.37765790	15.14757144	129	22	39.57	15	8	51.26	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-198	129.36952140	15.13281830	129	22	10.28	15	7	58.15	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-199	129.36113570	15.11819938	129	21	40.09	15	7	5.52	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-200	129.35250060	15.10371690	129	21	9	15	6	13.38	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-201	129.34362080	15.08937524	129	20	37.03	15	5	21.75	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-202	129.33449610	15.07518099	129	20	4.19	15	4	30.65	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-203	129.32512890	15.06113417	129	19	30.46	15	3	40.08	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-204	129.31552590	15.04724137	129	18	55.89	15	2	50.07	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-205	129.30568710	15.03350479	129	18	20.47	15	2	0.62	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-206	129.29561480	15.01992884	129	17	44.21	15	1	11.74	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-207	129.28531110	15.00652010	129	17	7.12	15	0	23.47	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-208	129.27478290	14.99327640	129	16	29.22	14	59	35.80	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-209	129.26402780	14.98020653	129	15	50.5	14	58	48.74	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21

ECS POINT	LONGITUDE (DD)	LATITUDE (DD)	LONGITUDE (DMS)			LATITUDE (DMS)			ARTICLE 76 PROVISION INVOKED	DISTANCE TO NEXT POINT (M)	CRITICAL FOS POINT
			DEG	MIN	SEC	DEG	MIN	SEC			
ECS-B-210	129.25305260	14.96731051	129	15	10.99	14	58	2.32	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-211	129.24185960	14.95459492	129	14	30.69	14	57	16.54	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-212	129.23045100	14.94206198	129	13	49.62	14	56	31.42	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-213	129.21883130	14.92971391	129	13	7.79	14	55	46.97	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-214	129.20700270	14.91755511	129	12	25.21	14	55	3.20	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-215	129.19496750	14.90558998	129	11	41.88	14	54	20.12	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-216	129.18273250	14.89382074	129	10	57.84	14	53	37.75	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-217	129.17029530	14.88224960	129	10	13.06	14	52	56.10	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-218	129.15766500	14.87088096	129	9	27.59	14	52	15.17	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-219	129.14484380	14.85971923	129	8	41.44	14	51	34.99	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-220	129.13183390	14.84876663	129	7	54.6	14	50	55.56	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-221	129.11863990	14.83802318	129	7	7.1	14	50	16.88	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-222	129.10526400	14.82749547	129	6	18.95	14	49	38.98	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-223	129.09171070	14.81718573	129	5	30.16	14	49	1.87	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-224	129.07798440	14.80709616	129	4	40.74	14	48	25.55	Art 76 (4)(a)(ii): FOS + 60M	1.00	BR-FOS21
ECS-B-225	129.06408970	14.79722898	129	3	50.72	14	47	50.02	Art 76 (4)(a)(ii): FOS + 60M	58.685	BR-FOS21
ECS-B-226	128.24611111	14.22289444	128	14	46.00	14	13	22.42		N/A	BR-FOS21