



# THE REPUBLIC OF PALAU EXECUTIVE SUMMARY

SUBMISSION TO THE COMMISSION ON THE LIMITS  
OF THE CONTINENTAL SHELF  
PURSUANT TO ARTICLE 76 OF THE UNITED NATIONS CONVENTION ON THE  
LAW OF THE SEA

## **EXECUTIVE SUMMARY**

Partial Amended Submission to the  
Commission on the Limits of the Continental Shelf  
in Respect of the North Area

Pursuant to Article 76 of the  
United Nations Convention on the Law of the Sea

by  
The Republic of Palau  
October 12, 2017

## TABLE OF CONTENTS

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	<i>pg.</i>	
<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Maritime Area and Maps</b>	<b>3</b>
<b>3</b>	<b>Provisions of Article 76 Invoked</b>	<b>3</b>
<b>4</b>	<b>Outstanding Maritime Delimitations</b>	<b>4</b>
<b>5</b>	<b>Commission Members who Assisted on this Submission</b>	<b>4</b>
<b>6</b>	<b>State Bodies Responsible for the Preparation of this Submission</b>	<b>4</b>
<b>7</b>	<b>Extended Continental Shelf of Palau</b>	<b>5</b>

### **Figures**

- Figure 1* Three-dimensional bathymetric image of the North Area as viewed from the southwest towards the northeast
- Figure 2* Colored bathymetric map showing an overview of the extended continental shelf of Palau in the North Area

### **Annex**

List of the fixed points defining the outer limits of the extended continental shelf of the Republic of Palau

## 1 Introduction

- 1.1 The Republic of Palau (hereinafter “**Palau**”) is a group of islands located in the western Pacific Ocean, to the east of the Republic of the Philippines, to the north of the Republic of Indonesia, to the west of the Federated States of Micronesia, and to the south of Japan. Palau became an independent nation on 1 October 1994. It became a member of the United Nations on 15 December 1994, and ratified the United Nations Convention on the Law of the Sea (hereinafter the “**Convention**”) on 30 September 1996. Article I, Section 1(a) of the Constitution of Palau, as amended, states that Palau “*shall have jurisdiction and sovereignty over its territory which shall consist of all the islands [...] and water areas extending to a two hundred (200) nautical miles exclusive economic zone [...]*”. Article I, Section 2(a) of the Constitution of Palau, as amended, extends this jurisdiction to the continental shelf in accordance with international law. Palau National Code; Title 27 – Fishing; Section 141 defines the baselines from which the breadth of its territorial sea is measured (hereinafter “**territorial sea baselines**”) and Section 144 establishes a 200 nautical mile (hereinafter “**M**”) exclusive economic zone.
- 1.2 In this partial amended submission (hereinafter this “**Submission**”), the area of continental shelf extending beyond 200 M from the territorial sea baselines is referred to as the “**extended continental shelf**”.
- 1.3 In accordance with Article 4 of Annex II to the Convention, as supplemented by the decisions of the Eleventh Meeting of State Parties (SPLOS/72) and the Eighteenth Meeting of State Parties (SPLOS/183) regarding the ten-year period established by Article 4 of Annex II to the Convention, a coastal State for which the Convention entered into force before 13 May 1999 is required to submit particulars of the outer limits of the continental shelf to the Commission on the Limits of the Continental Shelf (hereinafter the “**Commission**”), together with supporting scientific and technical data, by 13 May 2009. The original submission made by Palau on 8 May 2009 (hereinafter the “**Original Submission**”) satisfied that requirement.
- 1.4 The Original Submission was composed of three extended continental shelf areas that extend beyond 200 M from the territorial sea baselines of Palau, as follows: the North Area, the Southeast Area, and the West Area.
- 1.5 In its Note Verbal No. 000820 of 4 August 2009 to the Secretary General of the United Nations, the Republic of the Philippines stated that “[...] *the Philippines and Palau have overlapping maritime jurisdictions in term of their 200 M Exclusive Economic Zones (EEZ) and 200 M Continental Shelves, which, as of this date have*



*yet to be resolved by the two countries” and requested the Commission “to refrain from considering the aforementioned Submission by the Republic of Palau, unless and until after the parties have discussed and resolved their disputes.”*

- 1.6 In its Note Verbal No. 030/PMSG/10 of 22 July 2010 to the Secretary General of the United Nations, Palau responded that, notwithstanding the position of the Republic of the Philippines, the Commission could and should proceed with considering the Original Submission.
- 1.7 Notwithstanding Palau’s view, the Commission decided to defer further consideration of the Original Submission. This Submission would be next in line for consideration as currently queued. (CLCS/68; paragraph 31)
- 1.8 Since lodgment of the Original Submission, Palau decided to further improve the data and other material contained within the Original Submission in accordance with Annex I to the Rules of Procedure of the Commission on the Limits of the Continental Shelf (hereinafter the “**Rules of Procedure**”) (CLCS/68; paragraph 19), in particular paragraph 3 of Annex I to the Rules of Procedure. Accordingly, Palau established, under the Office of the President, the Territory and Boundary Task Force (hereinafter the “**TBTF**”) charged with taking the appropriate steps to achieve this for the North Area, the Southeast Area, and the West Area. The TBTF has thus far successfully conducted an updated compilation of public and non-public domain bathymetric data to better support the delineation of the outer limit of the extended continental shelf of Palau for the North Area.
- 1.9 This Submission concerns the area of extended continental shelf of Palau associated with the bathymetric feature commonly known as the Palau-Kyushu Ridge (hereinafter the “**PKR**”) (also referred to as the Kyushu-Palau Ridge). This seafloor high extends from the main islands of Palau to over 3,000 km to the north where it merges with the continental margin of Kyushu Island of Japan. The main islands landmass of Palau sits atop the PKR (Figure 1). This Submission presents new and additional data and analysis providing substantive evidence for geomorphological, geophysical and geological continuity from the main islands landmass of Palau north along the PKR.
- 1.10 This Submission consists of three separate parts comprising this Executive Summary; the Main Body containing a core analytical and descriptive part; and an appendix section containing all data referred to in the Main Body, in accordance with the specifications of the Commission set out in Annex III to the Rules of Procedure and paragraphs 9.1.3 to 9.1.6 of the Scientific and Technical Guidelines of the



Commission on the Limits of the Continental Shelf. This Submission replaces all documents and data pertaining to the North Area of the Original Submission.

- 1.11** In accordance with paragraph 3 of Annex I to the Rules of Procedure, a partial amended submission(s) for the Southeast Area and the West Area contained within the Original Submission shall be made at a later date. As the current and future partial submissions of Palau are all amendments to areas contained within the Original Submission, they should all retain their current position in the submission queue in line with the practice of the Commission.

## **2 Maritime Area and Maps**

- 2.1** The data and information contained in this Submission pertain to the outer limits of the continental shelf of Palau, specifically where those limits extend beyond 200 M from the territorial sea baselines in the North Area.
- 2.2** Figure 1 is a three-dimensional bathymetric image of the North Area as viewed from the southwest to the northeast. Figure 2 is a colored bathymetric map showing an overview of the extended continental shelf of Palau in the North Area. It indicates the location of the fixed points that comprise the line of the outer limits of the relevant area of the extended continental shelf of Palau in accordance with the provisions of Article 76 of the Convention (hereinafter “**Article 76**”) as contained within this Submission.

## **3 Provisions of Article 76 Invoked**

Palau invokes paragraphs 1, 3, 4, 5, and 7 of Article 76 in support of the delineation of the outer limits of the continental shelf beyond the line at a distance of 200 M from the territorial sea baselines (hereinafter a “**200 M Line**”). The outer edges of the continental margin are established only by reference to fixed points not more than 60 M from the foot of the continental slope as provided in paragraph 4(a)(ii) of Article 76. Paragraph 6 of Article 76 does not apply to the continental margin of Palau because the PKR is classified as a submarine elevation that is a natural component of the continental margin of Palau. This classification is supported by geomorphological, geophysical and geological data and information contained within the various parts of this Submission. The outer limits of the continental shelf are delineated by fixed points connected by straight lines not exceeding 60 M in length in accordance with paragraph 7 of Article 76.



## **4 Outstanding Maritime Delimitations**

- 4.1** In accordance with paragraph 2 of Annex I to the Rules of Procedure, Palau wishes to inform the Commission that the area of extended continental shelf in this Submission is affected by outstanding delimitations with opposite or adjacent coastal States as detailed in this section.
- 4.2** The extension of Palau's continental shelf in the North Area is limited to the south in part by the 200 M Line of the Federated States of Micronesia. In 2006, a treaty between the two countries was executed, ratified by Palau in 2006, and ratified by the Federated States of Micronesia in 2014, which defines the equidistance line as the agreed boundary between the two countries out to their 200 M Lines. Accordingly, this Submission is submitted without prejudice to the question of the delimitation of the continental shelf beyond the 200 M Line of the Federated States of Micronesia in this area pursuant to paragraph 10 of Article 76 and paragraph 2(b) of Annex I to the Rules of Procedure.
- 4.3** The extension of Palau's continental shelf in the North Area northward along the PKR potentially overlaps with the extended continental shelf of Japan. This matter is the subject of ongoing consultations between Palau and Japan. Palau's submission of, and the Commission's consideration of and its resulting recommendation on, this area are without prejudice to the question of the delimitation of the continental shelf beyond the 200 M Lines of Palau and Japan.

## **5 Commission Members who Assisted on this Submission**

Palau was assisted in the preparation of both the Original Submission and this Submission by Dr. Philip A. Symonds, a past member of the Commission from 2002 to 2012. No advice was provided by any other past or current member of the Commission.

## **6 State Bodies Responsible for the Preparation of this Submission**

The TBTF was responsible for the preparation of this Submission, including access to and compilation of modern multi-beam bathymetric data<sup>1</sup>. The technical preparation of this

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<sup>1</sup> Palau would like to acknowledge Japan's generous authorization of the use of unpublished, high quality bathymetric data in the North Area. These data were highly useful and valuable in delineating the extended continental shelf that is the subject of this Submission.



Submission, including creating maps, figures and charts, and the compilation of databases<sup>2</sup>, was carried out by the Palau Automated Land and Resource Information System, under the Bureau of Budget and Planning within the Ministry of Finance.

## **7 Extended Continental Shelf of Palau**

**7.1** The continental margin in the North Area is located to the north of the main islands of Palau, along the PKR, the southernmost part of which forms the main islands landmass of Palau. This area is a submerged prolongation of the main islands landmass of Palau. Moreover, the PKR is a submarine elevation that is a natural component of the continental margin, therefore both the distance constraints and the depth constraints can be applied in the North Area.

**7.2** The outer limits of the extended continental shelf of Palau in the North Area are defined by the 200 M Lines of the Federated States of Micronesia and Japan and by straight lines not exceeding 60 M in length that connect 320 fixed points (Figure 2). These points are grouped into six categories as follows (see Annex):

- one hundred seventy (170) points are defined by arcs of 60 M from the foot of the slope (paragraph 4(a)(ii) of Article 76);
- one hundred forty-five (145) points are defined by the constraint lines of 100 M from the 2500 meter isobath (paragraph 5 of Article 76);
- one (1) point is defined by the constraint line of 350 M from the territorial sea baselines of Palau (paragraph 5 of Article 76);
- one (1) point is on the 200 M Line of Palau;
- one (1) point is where the outer limit of the extended continental shelf of Palau intersects the 200 M Line of the Federated States of Micronesia; and

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<sup>2</sup> Palau would like to recognize the training and support received from Geoscience Australia; the University of Sydney; the UNEP Shelf Programme; and SPC-Geoscience Division (SOPAC), together with the following individuals: Dr. Elaine Baker, UNEP-GRID / University of Sydney; Mr. Yannick Beaudoin, UNEP-GRID; Dr. Rosemary Rayfuse, University of New South Wales; Mr. Joshua Brien, Commonwealth Secretariat; Mr. Peter M. Hunter, UNCLOS Group United Kingdom; Mr. Scott Sweet and Mr. Harald Sund, Geocap; Mr. Mark Alcock and Dr. Philip A. Symonds, Geoscience Australia; Ms. Robyn Frost, Australian Attorney General's Department; Mr. Andrick Lal and Ms. Emily Artack, SPC-Geoscience Division (SOPAC). Palau would like to also acknowledge financial support for this project from the Government of Turkey and the United Nations Trust Fund.





- two (2) points are where the outer limit of the extended continental shelf of Palau intersects the 200 M Line of Japan



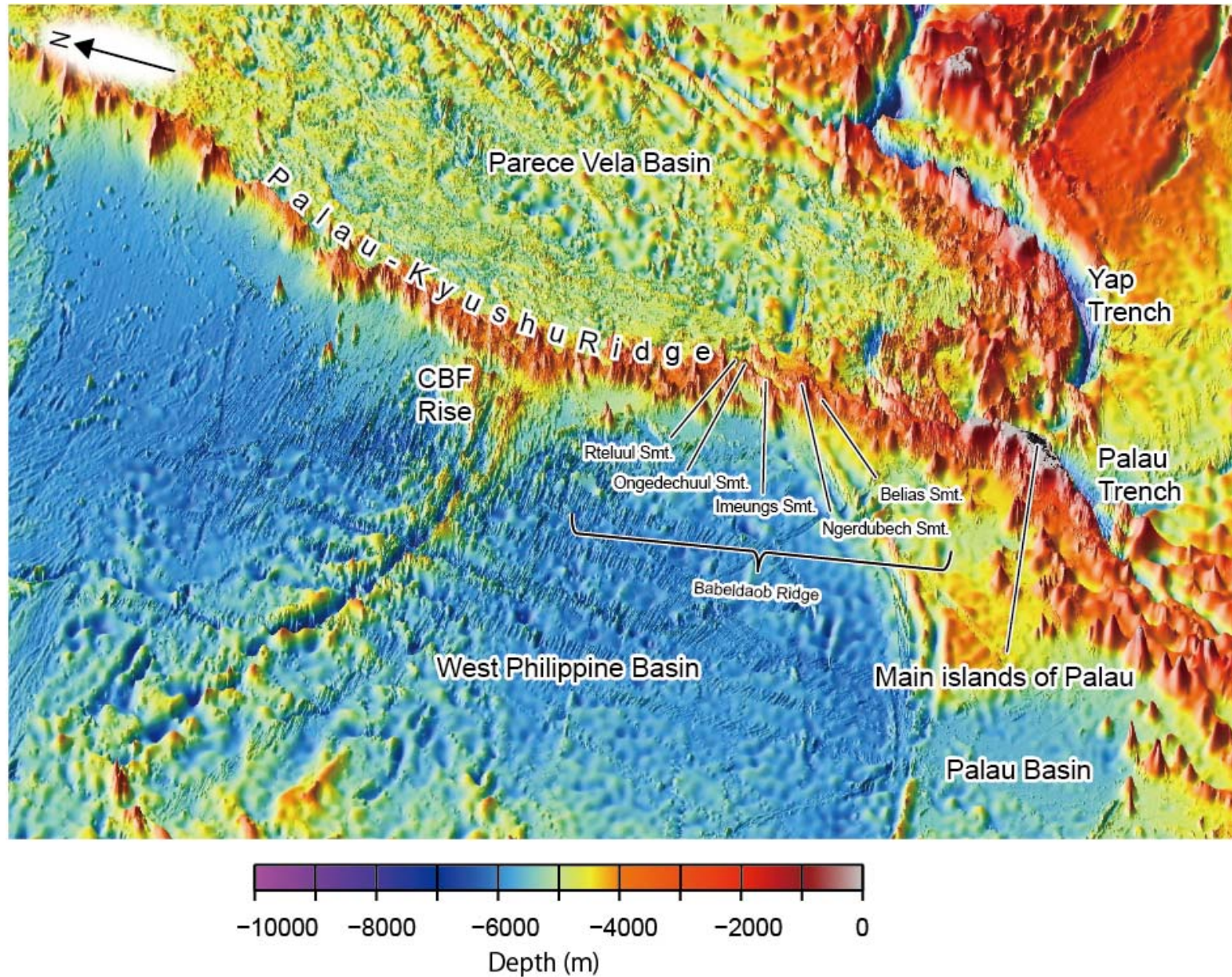


Figure 1 Three-dimensional bathymetric image of the North Area as viewed from the southwest towards the northeast. Vertical exaggeration is 10x.



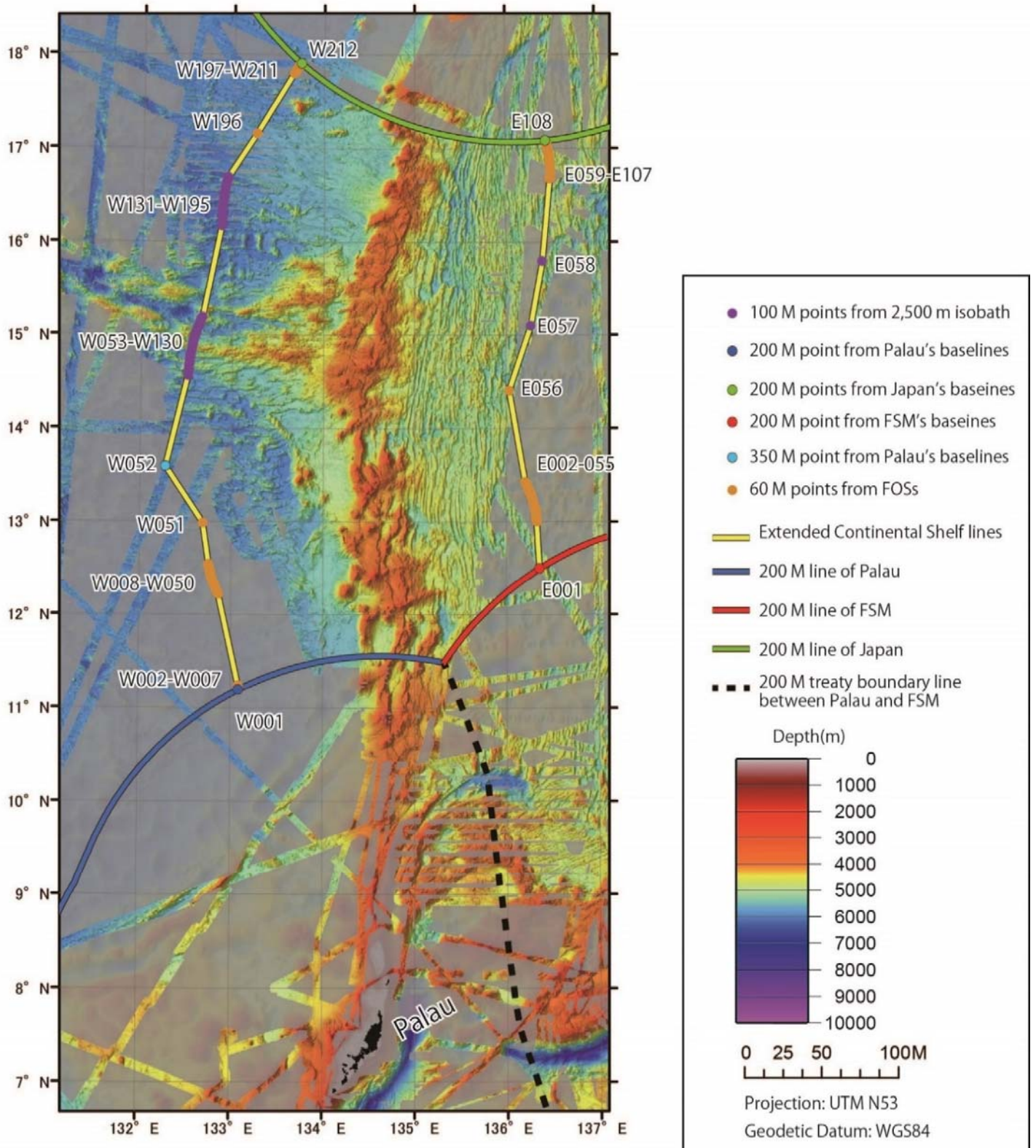


Figure 2 Colored bathymetric map showing an overview of the North Area of the extended continental shelf of Palau. It indicates the location of the fixed points that comprise the line of the outer limits of the relevant area of extended continental shelf of Palau in accordance with the provisions of Article 76 as contained within this Submission to the Commission.



## Annex Fixed Coordinates of Extended Continental Shelf (Republic of Palau)

ECS-ID	Longitude	Latitude	FOS ID	Distance to Next Point (M)	Remarks
ECS-W001	133.0811679	11.1906985	FOS-W01	0.249225	60M from FOS and Palau's 200M line
ECS-W002	133.0812119	11.1948709	FOS-W01	0.5	60M from FOS
ECS-W003	133.0813707	11.2032407	FOS-W01	0.5	60M from FOS
ECS-W004	133.0816003	11.2116089	FOS-W01	0.5	60M from FOS
ECS-W005	133.0819005	11.2199750	FOS-W01	0.5	60M from FOS
ECS-W006	133.0822712	11.2283382	FOS-W01	0.5	60M from FOS
ECS-W007	133.0827126	11.2366982	FOS-W01	59.80829	60M from FOS
ECS-W008	132.8625818	12.2142268	FOS-W03	0.5	60M from FOS
ECS-W009	132.8586261	12.2216382	FOS-W03	0.5	60M from FOS
ECS-W010	132.8547331	12.2290816	FOS-W03	0.5	60M from FOS
ECS-W011	132.8509030	12.2365567	FOS-W03	0.5	60M from FOS
ECS-W012	132.8471363	12.2440629	FOS-W03	0.5	60M from FOS
ECS-W013	132.8434330	12.2515996	FOS-W03	0.5	60M from FOS
ECS-W014	132.8397935	12.2591664	FOS-W03	0.5	60M from FOS
ECS-W015	132.8362180	12.2667626	FOS-W03	0.5	60M from FOS
ECS-W016	132.8327068	12.2743879	FOS-W03	0.5	60M from FOS
ECS-W017	132.8292601	12.2820416	FOS-W03	0.5	60M from FOS
ECS-W018	132.8258783	12.2897232	FOS-W03	0.5	60M from FOS
ECS-W019	132.8225614	12.2974322	FOS-W03	0.5	60M from FOS
ECS-W020	132.8193097	12.3051681	FOS-W03	0.5	60M from FOS
ECS-W021	132.8161236	12.3129304	FOS-W03	0.5	60M from FOS
ECS-W022	132.8130031	12.3207184	FOS-W03	0.5	60M from FOS
ECS-W023	132.8099486	12.3285317	FOS-W03	0.5	60M from FOS
ECS-W024	132.8069602	12.3363697	FOS-W03	0.5	60M from FOS
ECS-W025	132.8040382	12.3442319	FOS-W03	0.5	60M from FOS
ECS-W026	132.8011827	12.3521177	FOS-W03	0.5	60M from FOS
ECS-W027	132.7983940	12.3600266	FOS-W03	0.5	60M from FOS
ECS-W028	132.7956722	12.3679580	FOS-W03	0.5	60M from FOS
ECS-W029	132.7930176	12.3759114	FOS-W03	0.5	60M from FOS
ECS-W030	132.7904304	12.3838863	FOS-W03	0.5	60M from FOS
ECS-W031	132.7879107	12.3918820	FOS-W03	0.5	60M from FOS
ECS-W032	132.7854587	12.3998981	FOS-W03	0.5	60M from FOS
ECS-W033	132.7830746	12.4079340	FOS-W03	0.5	60M from FOS
ECS-W034	132.7807585	12.4159890	FOS-W03	0.5	60M from FOS
ECS-W035	132.7785107	12.4240628	FOS-W03	0.5	60M from FOS
ECS-W036	132.7763313	12.4321546	FOS-W03	0.5	60M from FOS
ECS-W037	132.7742204	12.4402640	FOS-W03	0.5	60M from FOS
ECS-W038	132.7721782	12.4483904	FOS-W03	0.5	60M from FOS
ECS-W039	132.7702049	12.4565332	FOS-W03	0.5	60M from FOS
ECS-W040	132.7683005	12.4646919	FOS-W03	0.5	60M from FOS
ECS-W041	132.7664653	12.4728658	FOS-W03	0.5	60M from FOS



ECS-ID	Longitude	Latitude	FOS ID	Distance to Next Point (M)	Remarks
ECS-W042	132.7646993	12.4810545	FOS-W03	0.5	60M from FOS
ECS-W043	132.7630027	12.4892574	FOS-W03	0.5	60M from FOS
ECS-W044	132.7613757	12.4974738	FOS-W03	0.5	60M from FOS
ECS-W045	132.7598182	12.5057032	FOS-W03	0.5	60M from FOS
ECS-W046	132.7583306	12.5139451	FOS-W03	0.5	60M from FOS
ECS-W047	132.7569127	12.5221989	FOS-W03	0.5	60M from FOS
ECS-W048	132.7555649	12.5304640	FOS-W03	0.5	60M from FOS
ECS-W049	132.7542871	12.5387398	FOS-W03	0.5	60M from FOS
ECS-W050	132.7530794	12.5470258	FOS-W03	26.69756	60M from FOS
ECS-W051	132.6898281	12.9896290	FOS-W04	43.3815	60M from FOS
ECS-W052	132.2760606	13.5922464		59.84304	350M from territorial sea baselines
ECS-W053	132.5153966	14.5663348		0.5	100M from 2500m isobath
ECS-W054	132.5157434	14.5746971		0.5	100M from 2500m isobath
ECS-W055	132.5161332	14.5830576		0.5	100M from 2500m isobath
ECS-W056	132.5165659	14.5914162		0.5	100M from 2500m isobath
ECS-W057	132.5170415	14.5997724		0.5	100M from 2500m isobath
ECS-W058	132.5175601	14.6081263		0.5	100M from 2500m isobath
ECS-W059	132.5181215	14.6164775		0.5	100M from 2500m isobath
ECS-W060	132.5187259	14.6248259		0.5	100M from 2500m isobath
ECS-W061	132.5193732	14.6331713		0.5	100M from 2500m isobath
ECS-W062	132.5200633	14.6415133		0.488218	100M from 2500m isobath
ECS-W063	132.5207786	14.6496555		0.407672	100M from 2500m isobath
ECS-W064	132.5214029	14.6564520		0.5	100M from 2500m isobath
ECS-W065	132.5222074	14.6647844		0.5	100M from 2500m isobath
ECS-W066	132.5230548	14.6731127		0.407672	100M from 2500m isobath
ECS-W067	132.5237774	14.6799000		0.32722	100M from 2500m isobath
ECS-W068	132.5243702	14.6853466		0.5	100M from 2500m isobath
ECS-W069	132.5253115	14.6936653		0.5	100M from 2500m isobath
ECS-W070	132.5262955	14.7019794		0.5	100M from 2500m isobath
ECS-W071	132.5273223	14.7102885		0.5	100M from 2500m isobath
ECS-W072	132.5283918	14.7185926		0.5	100M from 2500m isobath
ECS-W073	132.5295040	14.7268913		0.5	100M from 2500m isobath
ECS-W074	132.5306590	14.7351845		0.5	100M from 2500m isobath
ECS-W075	132.5318566	14.7434720		0.5	100M from 2500m isobath
ECS-W076	132.5330968	14.7517535		0.5	100M from 2500m isobath
ECS-W077	132.5343797	14.7600289		0.5	100M from 2500m isobath
ECS-W078	132.5357051	14.7682979		0.5	100M from 2500m isobath
ECS-W079	132.5370731	14.7765603		0.5	100M from 2500m isobath
ECS-W080	132.5384837	14.7848160		0.5	100M from 2500m isobath
ECS-W081	132.5399367	14.7930647		0.5	100M from 2500m isobath
ECS-W082	132.5414323	14.8013062		0.5	100M from 2500m isobath
ECS-W083	132.5429702	14.8095404		0.5	100M from 2500m isobath
ECS-W084	132.5445506	14.8177669		0.5	100M from 2500m isobath



ECS-ID	Longitude	Latitude	FOS ID	Distance to Next Point (M)	Remarks
ECS-W085	132.5461733	14.8259856		0.5	100M from 2500m isobath
ECS-W086	132.5478384	14.8341963		0.729443	100M from 2500m isobath
ECS-W087	132.5503158	14.8461655		0.5	100M from 2500m isobath
ECS-W088	132.5520505	14.8543626		0.5	100M from 2500m isobath
ECS-W089	132.5538275	14.8625511		0.5	100M from 2500m isobath
ECS-W090	132.5556467	14.8707308		0.5	100M from 2500m isobath
ECS-W091	132.5575080	14.8789016		0.5	100M from 2500m isobath
ECS-W092	132.5594114	14.8870632		0.5	100M from 2500m isobath
ECS-W093	132.5613569	14.8952155		0.5	100M from 2500m isobath
ECS-W094	132.5633444	14.9033581		0.5	100M from 2500m isobath
ECS-W095	132.5653739	14.9114910		0.5	100M from 2500m isobath
ECS-W096	132.5674454	14.9196139		0.5	100M from 2500m isobath
ECS-W097	132.5695587	14.9277266		0.5	100M from 2500m isobath
ECS-W098	132.5717139	14.9358288		0.5	100M from 2500m isobath
ECS-W099	132.5739108	14.9439205		0.5	100M from 2500m isobath
ECS-W100	132.5761495	14.9520014		0.5	100M from 2500m isobath
ECS-W101	132.5784299	14.9600713		0.5	100M from 2500m isobath
ECS-W102	132.5807519	14.9681299		0.5	100M from 2500m isobath
ECS-W103	132.5831155	14.9761772		0.5	100M from 2500m isobath
ECS-W104	132.5855207	14.9842128		0.5	100M from 2500m isobath
ECS-W105	132.5879673	14.9922366		0.5	100M from 2500m isobath
ECS-W106	132.5904553	15.0002484		0.5	100M from 2500m isobath
ECS-W107	132.5929847	15.0082480		0.5	100M from 2500m isobath
ECS-W108	132.5955553	15.0162351		0.5	100M from 2500m isobath
ECS-W109	132.5981672	15.0242096		0.5	100M from 2500m isobath
ECS-W110	132.6008203	15.0321713		0.5	100M from 2500m isobath
ECS-W111	132.6035145	15.0401200		0.5	100M from 2500m isobath
ECS-W112	132.6062498	15.0480554		0.5	100M from 2500m isobath
ECS-W113	132.6090260	15.0559774		0.5	100M from 2500m isobath
ECS-W114	132.6118432	15.0638858		0.5	100M from 2500m isobath
ECS-W115	132.6147012	15.0717804		0.5	100M from 2500m isobath
ECS-W116	132.6176000	15.0796609		0.5	100M from 2500m isobath
ECS-W117	132.6205395	15.0875273		0.5	100M from 2500m isobath
ECS-W118	132.6235197	15.0953792		0.5	100M from 2500m isobath
ECS-W119	132.6265404	15.1032164		0.5	100M from 2500m isobath
ECS-W120	132.6296017	15.1110389		0.5	100M from 2500m isobath
ECS-W121	132.6327034	15.1188464		0.5	100M from 2500m isobath
ECS-W122	132.6358455	15.1266386		0.5	100M from 2500m isobath
ECS-W123	132.6390278	15.1344155		0.5	100M from 2500m isobath
ECS-W124	132.6422504	15.1421767		0.5	100M from 2500m isobath
ECS-W125	132.6455131	15.1499222		0.5	100M from 2500m isobath
ECS-W126	132.6488158	15.1576517		0.5	100M from 2500m isobath
ECS-W127	132.6521586	15.1653649		0.5	100M from 2500m isobath



ECS-ID	Longitude	Latitude	FOS ID	Distance to Next Point (M)	Remarks
ECS-W128	132.6555412	15.1730618		0.5	100M from 2500m isobath
ECS-W129	132.6589636	15.1807422		0.5	100M from 2500m isobath
ECS-W130	132.6624258	15.1884057		59.96619	100M from 2500m isobath
ECS-W131	132.8755854	16.1705630		0.5	100M from 2500m isobath
ECS-W132	132.8752139	16.1789232		0.5	100M from 2500m isobath
ECS-W133	132.8748855	16.1872851		0.5	100M from 2500m isobath
ECS-W134	132.8746004	16.1956485		0.5	100M from 2500m isobath
ECS-W135	132.8743585	16.2040131		0.5	100M from 2500m isobath
ECS-W136	132.8741599	16.2123788		0.5	100M from 2500m isobath
ECS-W137	132.8740045	16.2207454		0.5	100M from 2500m isobath
ECS-W138	132.8738924	16.2291126		0.5	100M from 2500m isobath
ECS-W139	132.8738236	16.2374802		0.5	100M from 2500m isobath
ECS-W140	132.8737981	16.2458481		0.5	100M from 2500m isobath
ECS-W141	132.8738159	16.2542159		0.5	100M from 2500m isobath
ECS-W142	132.8738770	16.2625836		0.5	100M from 2500m isobath
ECS-W143	132.8739814	16.2709509		0.5	100M from 2500m isobath
ECS-W144	132.8741291	16.2793175		0.5	100M from 2500m isobath
ECS-W145	132.8743201	16.2876833		0.5	100M from 2500m isobath
ECS-W146	132.8745545	16.2960481		0.5	100M from 2500m isobath
ECS-W147	132.8748321	16.3044116		0.5	100M from 2500m isobath
ECS-W148	132.8751531	16.3127737		0.5	100M from 2500m isobath
ECS-W149	132.8755173	16.3211342		0.5	100M from 2500m isobath
ECS-W150	132.8759249	16.3294927		0.5	100M from 2500m isobath
ECS-W151	132.8763758	16.3378492		0.5	100M from 2500m isobath
ECS-W152	132.8768699	16.3462034		0.5	100M from 2500m isobath
ECS-W153	132.8774074	16.3545551		0.5	100M from 2500m isobath
ECS-W154	132.8779881	16.3629041		0.5	100M from 2500m isobath
ECS-W155	132.8786121	16.3712501		0.5	100M from 2500m isobath
ECS-W156	132.8792794	16.3795931		0.5	100M from 2500m isobath
ECS-W157	132.8799899	16.3879327		0.5	100M from 2500m isobath
ECS-W158	132.8807437	16.3962688		0.5	100M from 2500m isobath
ECS-W159	132.8815406	16.4046011		0.5	100M from 2500m isobath
ECS-W160	132.8823808	16.4129294		0.5	100M from 2500m isobath
ECS-W161	132.8832642	16.4212536		0.5	100M from 2500m isobath
ECS-W162	132.8841907	16.4295735		0.5	100M from 2500m isobath
ECS-W163	132.8851604	16.4378887		0.5	100M from 2500m isobath
ECS-W164	132.8861733	16.4461991		0.5	100M from 2500m isobath
ECS-W165	132.8872293	16.4545046		0.5	100M from 2500m isobath
ECS-W166	132.8883283	16.4628048		0.5	100M from 2500m isobath
ECS-W167	132.8894705	16.4710996		0.5	100M from 2500m isobath
ECS-W168	132.8906557	16.4793888		0.5	100M from 2500m isobath
ECS-W169	132.8918839	16.4876721		0.5	100M from 2500m isobath
ECS-W170	132.8931552	16.4959495		0.5	100M from 2500m isobath



ECS-ID	Longitude	Latitude	FOS ID	Distance to Next Point (M)	Remarks
ECS-W171	132.8944694	16.5042205		0.5	100M from 2500m isobath
ECS-W172	132.8958266	16.5124851		0.5	100M from 2500m isobath
ECS-W173	132.8972267	16.5207431		0.5	100M from 2500m isobath
ECS-W174	132.8986696	16.5289941		0.277745	100M from 2500m isobath
ECS-W175	132.8994897	16.5335745		0.395269	100M from 2500m isobath
ECS-W176	132.9006776	16.5400894		0.5	100M from 2500m isobath
ECS-W177	132.9022186	16.5483240		0.5	100M from 2500m isobath
ECS-W178	132.9038024	16.5565510		0.5	100M from 2500m isobath
ECS-W179	132.9054289	16.5647703		0.5	100M from 2500m isobath
ECS-W180	132.9070982	16.5729816		0.5	100M from 2500m isobath
ECS-W181	132.9088101	16.5811847		0.5	100M from 2500m isobath
ECS-W182	132.9105647	16.5893795		0.5	100M from 2500m isobath
ECS-W183	132.9123618	16.5975657		0.5	100M from 2500m isobath
ECS-W184	132.9142016	16.6057431		0.5	100M from 2500m isobath
ECS-W185	132.9160839	16.6139115		0.5	100M from 2500m isobath
ECS-W186	132.9180086	16.6220707		0.5	100M from 2500m isobath
ECS-W187	132.9199758	16.6302205		0.5	100M from 2500m isobath
ECS-W188	132.9219854	16.6383606		0.5	100M from 2500m isobath
ECS-W189	132.9240374	16.6464910		0.5	100M from 2500m isobath
ECS-W190	132.9261316	16.6546114		0.5	100M from 2500m isobath
ECS-W191	132.9282681	16.6627215		0.5	100M from 2500m isobath
ECS-W192	132.9304469	16.6708212		0.5	100M from 2500m isobath
ECS-W193	132.9326678	16.6789103		0.5	100M from 2500m isobath
ECS-W194	132.9349308	16.6869886		0.371897	100M from 2500m isobath
ECS-W195	132.9366452	16.6929889		32.99649	100M from 2500m isobath
ECS-W196	133.2522342	17.1541012	FOS-W12	45.53212	60M from FOS
ECS-W197	133.6639454	17.8055759	FOS-W13	0.5	60M from FOS
ECS-W198	133.6684721	17.8127311	FOS-W13	0.5	60M from FOS
ECS-W199	133.6730613	17.8198499	FOS-W13	0.5	60M from FOS
ECS-W200	133.6777126	17.8269317	FOS-W13	0.5	60M from FOS
ECS-W201	133.6824257	17.8339760	FOS-W13	0.5	60M from FOS
ECS-W202	133.6872003	17.8409824	FOS-W13	0.5	60M from FOS
ECS-W203	133.6920361	17.8479502	FOS-W13	0.5	60M from FOS
ECS-W204	133.6969327	17.8548791	FOS-W13	0.5	60M from FOS
ECS-W205	133.7018898	17.8617686	FOS-W13	0.5	60M from FOS
ECS-W206	133.7069070	17.8686181	FOS-W13	0.5	60M from FOS
ECS-W207	133.7119841	17.8754272	FOS-W13	0.5	60M from FOS
ECS-W208	133.7171207	17.8821955	FOS-W13	0.5	60M from FOS
ECS-W209	133.7223163	17.8889223	FOS-W13	0.5	60M from FOS
ECS-W210	133.7275707	17.8956074	FOS-W13	0.5	60M from FOS
ECS-W211	133.7328835	17.9022501	FOS-W13	0.674477	60M from FOS
ECS-W212	133.7401486	17.9111382	FOS-W13	---	60M from FOS and Japan's 200M line





ECS-ID	Longitude	Latitude	FOS ID	Distance to Next Point (M)	Remarks
ECS-E001	136.3584344	12.4962041	FOS-E02-03	30.13026	Straight line between 60M points from FOS and Micronesia's 200M line
ECS-E002	136.3306229	12.9998675	FOS-E03	0.5	60M from FOS
ECS-E003	136.3300957	13.0082217	FOS-E03	0.5	60M from FOS
ECS-E004	136.3294975	13.0165713	FOS-E03	0.5	60M from FOS
ECS-E005	136.3288283	13.0249158	FOS-E03	0.5	60M from FOS
ECS-E006	136.3280882	13.0332544	FOS-E03	0.5	60M from FOS
ECS-E007	136.3272771	13.0415868	FOS-E03	0.5	60M from FOS
ECS-E008	136.3263953	13.0499122	FOS-E03	0.5	60M from FOS
ECS-E009	136.3254426	13.0582301	FOS-E03	0.5	60M from FOS
ECS-E010	136.3244193	13.0665399	FOS-E03	0.5	60M from FOS
ECS-E011	136.3233252	13.0748411	FOS-E03	0.5	60M from FOS
ECS-E012	136.3221606	13.0831330	FOS-E03	0.5	60M from FOS
ECS-E013	136.3209254	13.0914151	FOS-E03	0.5	60M from FOS
ECS-E014	136.3196198	13.0996868	FOS-E03	0.5	60M from FOS
ECS-E015	136.3182439	13.1079476	FOS-E03	0.5	60M from FOS
ECS-E016	136.3167977	13.1161968	FOS-E03	0.5	60M from FOS
ECS-E017	136.3152813	13.1244339	FOS-E03	0.5	60M from FOS
ECS-E018	136.3136948	13.1326584	FOS-E03	0.5	60M from FOS
ECS-E019	136.3120383	13.1408695	FOS-E03	0.5	60M from FOS
ECS-E020	136.3103120	13.1490669	FOS-E03	0.5	60M from FOS
ECS-E021	136.3085159	13.1572498	FOS-E03	0.5	60M from FOS
ECS-E022	136.3066502	13.1654178	FOS-E03	0.5	60M from FOS
ECS-E023	136.3047150	13.1735703	FOS-E03	0.5	60M from FOS
ECS-E024	136.3027103	13.1817066	FOS-E03	0.5	60M from FOS
ECS-E025	136.3006365	13.1898263	FOS-E03	0.5	60M from FOS
ECS-E026	136.2984935	13.1979287	FOS-E03	0.5	60M from FOS
ECS-E027	136.2962815	13.2060133	FOS-E03	0.5	60M from FOS
ECS-E028	136.2940007	13.2140796	FOS-E03	0.5	60M from FOS
ECS-E029	136.2916513	13.2221269	FOS-E03	0.5	60M from FOS
ECS-E030	136.2892333	13.2301548	FOS-E03	0.5	60M from FOS
ECS-E031	136.2867470	13.2381626	FOS-E03	0.5	60M from FOS
ECS-E032	136.2841925	13.2461498	FOS-E03	0.5	60M from FOS
ECS-E033	136.2815699	13.2541158	FOS-E03	0.5	60M from FOS
ECS-E034	136.2788796	13.2620601	FOS-E03	0.5	60M from FOS
ECS-E035	136.2761215	13.2699822	FOS-E03	0.5	60M from FOS
ECS-E036	136.2732960	13.2778814	FOS-E03	0.5	60M from FOS
ECS-E037	136.2704032	13.2857573	FOS-E03	0.5	60M from FOS
ECS-E038	136.2674433	13.2936092	FOS-E03	0.5	60M from FOS
ECS-E039	136.2644165	13.3014367	FOS-E03	0.5	60M from FOS
ECS-E040	136.2613231	13.3092391	FOS-E03	0.5	60M from FOS
ECS-E041	136.2581631	13.3170160	FOS-E03	0.5	60M from FOS
ECS-E042	136.2549369	13.3247668	FOS-E03	0.5	60M from FOS
ECS-E043	136.2516447	13.3324910	FOS-E03	0.5	60M from FOS



ECS-ID	Longitude	Latitude	FOS ID	Distance to Next Point (M)	Remarks
ECS-E044	136.2482866	13.3401879	FOS-E03	0.5	60M from FOS
ECS-E045	136.2448630	13.3478572	FOS-E03	0.5	60M from FOS
ECS-E046	136.2413739	13.3554982	FOS-E03	0.5	60M from FOS
ECS-E047	136.2378198	13.3631104	FOS-E03	0.5	60M from FOS
ECS-E048	136.2342008	13.3706933	FOS-E03	0.5	60M from FOS
ECS-E049	136.2305171	13.3782464	FOS-E03	0.5	60M from FOS
ECS-E050	136.2267691	13.3857690	FOS-E03	0.5	60M from FOS
ECS-E051	136.2229569	13.3932608	FOS-E03	0.5	60M from FOS
ECS-E052	136.2190809	13.4007212	FOS-E03	0.5	60M from FOS
ECS-E053	136.2151412	13.4081496	FOS-E03	0.5	60M from FOS
ECS-E054	136.2111383	13.4155456	FOS-E03	0.5	60M from FOS
ECS-E055	136.2070722	13.4229085	FOS-E03	59.58574	60M from FOS
ECS-E056	136.0359961	14.4062274	FOS-E06	43.89859	60M from FOS
ECS-E057	136.2768840	15.1026080		42.01795	100M from 2500m isobath
ECS-E058	136.4091160	15.7940686		53.00572	100M from 2500m isobath
ECS-E059	136.4954109	16.6772343	FOS-E11	0.5	60M from FOS
ECS-E060	136.4961706	16.6855698	FOS-E11	0.5	60M from FOS
ECS-E061	136.4968583	16.6939110	FOS-E11	0.5	60M from FOS
ECS-E062	136.4974739	16.7022575	FOS-E11	0.5	60M from FOS
ECS-E063	136.4980174	16.7106086	FOS-E11	0.5	60M from FOS
ECS-E064	136.4984887	16.7189637	FOS-E11	0.5	60M from FOS
ECS-E065	136.4988878	16.7273224	FOS-E11	0.5	60M from FOS
ECS-E066	136.4992146	16.7356840	FOS-E11	0.5	60M from FOS
ECS-E067	136.4994692	16.7440478	FOS-E11	0.5	60M from FOS
ECS-E068	136.4996514	16.7524135	FOS-E11	0.5	60M from FOS
ECS-E069	136.4997613	16.7607803	FOS-E11	0.5	60M from FOS
ECS-E070	136.4997988	16.7691477	FOS-E11	0.5	60M from FOS
ECS-E071	136.4997639	16.7775151	FOS-E11	0.5	60M from FOS
ECS-E072	136.4996567	16.7858819	FOS-E11	0.5	60M from FOS
ECS-E073	136.4994771	16.7942475	FOS-E11	0.5	60M from FOS
ECS-E074	136.4992251	16.8026115	FOS-E11	0.5	60M from FOS
ECS-E075	136.4989007	16.8109730	FOS-E11	0.5	60M from FOS
ECS-E076	136.4985040	16.8193317	FOS-E11	0.5	60M from FOS
ECS-E077	136.4980350	16.8276870	FOS-E11	0.5	60M from FOS
ECS-E078	136.4974936	16.8360381	FOS-E11	0.5	60M from FOS
ECS-E079	136.4968799	16.8443846	FOS-E11	0.5	60M from FOS
ECS-E080	136.4961940	16.8527259	FOS-E11	0.5	60M from FOS
ECS-E081	136.4954359	16.8610614	FOS-E11	0.5	60M from FOS
ECS-E082	136.4946056	16.8693905	FOS-E11	0.5	60M from FOS
ECS-E083	136.4937032	16.8777126	FOS-E11	0.5	60M from FOS
ECS-E084	136.4927287	16.8860272	FOS-E11	0.5	60M from FOS
ECS-E085	136.4916822	16.8943337	FOS-E11	0.5	60M from FOS
ECS-E086	136.4905637	16.9026315	FOS-E11	0.5	60M from FOS



ECS-ID	Longitude	Latitude	FOS ID	Distance to Next Point (M)	Remarks
ECS-E087	136.4893734	16.9109200	FOS-E11	0.5	60M from FOS
ECS-E088	136.4881112	16.9191987	FOS-E11	0.5	60M from FOS
ECS-E089	136.4867773	16.9274669	FOS-E11	0.5	60M from FOS
ECS-E090	136.4853718	16.9357241	FOS-E11	0.5	60M from FOS
ECS-E091	136.4838947	16.9439698	FOS-E11	0.5	60M from FOS
ECS-E092	136.4823462	16.9522033	FOS-E11	0.5	60M from FOS
ECS-E093	136.4807263	16.9604241	FOS-E11	0.5	60M from FOS
ECS-E094	136.4790351	16.9686316	FOS-E11	0.5	60M from FOS
ECS-E095	136.4772728	16.9768252	FOS-E11	0.5	60M from FOS
ECS-E096	136.4754394	16.9850044	FOS-E11	0.5	60M from FOS
ECS-E097	136.4735351	16.9931685	FOS-E11	0.5	60M from FOS
ECS-E098	136.4715600	17.0013171	FOS-E11	0.5	60M from FOS
ECS-E099	136.4695143	17.0094496	FOS-E11	0.5	60M from FOS
ECS-E100	136.4673980	17.0175653	FOS-E11	0.5	60M from FOS
ECS-E101	136.4652113	17.0256638	FOS-E11	0.5	60M from FOS
ECS-E102	136.4629543	17.0337444	FOS-E11	0.5	60M from FOS
ECS-E103	136.4606273	17.0418066	FOS-E11	0.5	60M from FOS
ECS-E104	136.4582303	17.0498498	FOS-E11	0.5	60M from FOS
ECS-E105	136.4557634	17.0578736	FOS-E11	0.5	60M from FOS
ECS-E106	136.4532270	17.0658772	FOS-E11	0.5	60M from FOS
ECS-E107	136.4506211	17.0738602	FOS-E11	0.656521	60M from FOS
ECS-E108	136.4470868	17.0843076	FOS-E11	---	60M from FOS and Japan's 200M line

