

G E B C O
GENERAL BATHYMETRIC CHART OF THE OCEANS



INTERGOVERNMENTAL OCEANOGRAPHIC
COMMISSION

COMMISSION OCEANOGRAPHIQUE
INTERGOUVERNEMENTALE

PARIS

G E B C O

**SUB-COMMITTEE
ON
UNDERSEA FEATURE NAMES
(SCUFN)**



INTERNATIONAL HYDROGRAPHIC
ORGANIZATION

ORGANISATION HYDROGRAPHIQUE
INTERNATIONALE

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Date : 9 March 2010

To: Captain Manuel Patricio GOYES ARROYO
Director, Instituto Oceanografico de la Armada (INOCAR),
Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur)
Casilla de Correos 5940, Guayaquil, Ecuador
(inocar@inocar.mil.ec)

Subject: Proposals by International Bathymetric Chart of the South-East Pacific (IBCSEP), April 2008

Ref: Fax No. INOCAR-HID-181 dated 30 April 2008

Dear Captain,

The undersea feature name proposals which were forwarded with the reference, were considered by the GEBCO Sub-Committee on Undersea Feature Names (SCUFN) at its 22nd meeting (Brest, France, 22-26 September 2010). The outcome of their examination is summarized in Annex A.

As you will see, the sub-committee considered that the information provided in the forms, as well as the supporting bathymetry, was insufficient to properly assess the proposals which therefore were not accepted, or were deferred, with the exception of Ecuador Trench. As a result, I was tasked, as secretary, to ask the proposer, i.e. INOCAR, to provide additional information and bathymetric data, as detailed in Actions SCUFN22-27 to SCUFN22-34, in Annex A, in view of re-examining the relevant 12 proposals at the 23rd SCUFN meeting which will take place in Callao, Peru, from 11-14 September 2010.

I therefore invite INOCAR to provide the requested information, using the undersea feature name proposal form at www.iho-ohi.net/mtg_docs/com_wg/SCUFN/SCUFN_Misc/ScuFormS.doc. Examples of appropriate supporting bathymetry can be found on the IHO website (see proposals under www.iho-ohi.net/mtg_docs/com_wg/SCUFN/SCUFN22/SCUFN22Docs.htm). Guidelines on undersea feature naming are provided in IHO-IOC publication B-6, also available from the IHO website.

I look forward to receiving the additional information and data.

Yours sincerely,

A handwritten signature in black ink, consisting of a large, stylized initial 'M' followed by the letters 'HUET' in a cursive script.

Ing. en Chef Michel HUET
Secretary of SCUFN

Encl: Annex A

Taken from the Report of the 22nd Meeting of the IHO-IOC GEBCO Sub-Committee on Undersea Feature Names (SCUFN22), Brest, France, 22-26 September 2009

7.5 PROPOSALS BY INTERNATIONAL BATHYMETRIC CHART OF THE SOUTH-EAST PACIFIC (IBCSEP)

Doc: SCUFN22-07.5A Proposals by IBCSEP, April 2008

7.5.1 Proposals by Ecuador

7.5.1.a Ecuador Trench

Position:	<i>Lat 1°30'N, Long 80°10'W, South Eastern Pacific Ocean</i>
Extension:	From <i>Lat 1°24'N to Lat 3°23'S</i>
Proposer:	Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal:	April 2008
Discoverer:	Dr. Peter LONSDALE (SIO, UCSD, USA)
Date of Discovery:	1978
Maximum Depth:	~ 3000 m

The proposed trench coincides with the collision area of the Carnegie Ridge with the continental slope. The maximum depths along this feature are approximately 3000 m, which is significantly lower than the Colombian Trench to the north and the Peru Trench to the south. This is due to the different tectonic processes which have created the trenches along this system. The northern extent of the Peru-Chili Trench and the southern extent of the Peru Trench are also separated by a tectonic collision zone, i.e. that of the Nazca Ridge and the continental slope, expressed as a relatively shallow trench. During the detailed examination of the geomorphology of the area, the sub-committee decided that the existing Peru Trench should be extended further north to *Lat. 3°10'S, Long 81°38.0'W* with an additional intermediate coordinate of *Lat 5°21'S, Long 82°00'W*. In addition, the existing Colombian Trench should be extended further south, with its coordinates redefined as *Lat 6°57'N, Long 78°57'W to Lat 5°16'N, Long 78°12'W to Lat 2°36'N, Long 79°44'W*.

Named from the nearby State of Ecuador.

Outcome:

- **Ecuador Trench ACCEPTED**, with details as above and the amended coordinates of:

Lat. 0°28'N, Long 80°48.0'W

Lat. 3°10'S, Long 81°38.0'W

- **Action SCUFN22/25: Secretary** to add the following two positions to Peru Trench in the Gazetteer, extending this feature further north: *Lat 5°21'S, Long 82°00'W* and *Lat. 3°10'S, Long 81°38.0'W*.

- **Action SCUFN22/26: Secretary** to replace the existing position in the Gazetteer for Colombian Trench with the following three positions: *Lat 6°57'N, Long 78°57'W; Lat 5°16'N, Long 78°12'W; and Lat 2°36'N, Long 79°44'W*.

Note: None of the 12 proposals below, i.e. Megaprint Seamount, Paganini 1, 2 & 3 Seamounts, Sonne Seamount, Werner Seamount, Orion Seamount, Pillow Seamount, Galera 1, 2 & 3 Seamounts and Amadeus Seamount, had any documentation other than a basic proposal form. There was no supporting bathymetry – only a small-scale index map - and no track line documents, no printed depths, no maximum or minimum depths, or any other anecdotal information. In some cases, no information was provided

regarding the reason for giving the feature a specific term. As a result, the sub-committee was not in a position to properly consider these proposals which therefore were not accepted, or were deferred.

7.5.1.b Megaprint Seamount

Position: *Lat. 2°01.2'S, Long 85°56.8'W, South Eastern Pacific Ocean*
Proposer: Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal: April 2008
Discoverer: German R/V Meteor (Dr. R. WERNER, GEOMAR)
Date of Discovery: July/August 2001
Minimum Depth: *Not provided*
Maximum Depth: *Not provided*
Total Relief: *Not provided*

The proposed specific name 'Megaprint' was accepted, but the feature was rejected due to lack of bathymetric evidence.

Name proposed from the Megaprint oceanographic campaign in July-August 2001.

Outcome:

- **Megaprint Seamount PENDING**, with details as above.

- **Action SCUFN22/27: Secretary** to ask the proposer to provide bathymetric data in support of the proposed Megaprint Seamount.

7.5.1.c Paganini 1 Seamount

Position: *Lat 2°12.9'S, Long 82°37.4'W, Eastern Pacific Ocean*
Proposer: Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal: April 2008
Discoverer: German German R/V Sonne (Dr. D. ACKERMAN, GEOMAR)
Date of Discovery: November/December 1999
Minimum Depth: *Not provided*
Maximum Depth: *Not provided*
Total Relief: *Not provided*

The proposed specific term 'Paganini 1' was not accepted, as there is already a Paganini Seamount in the Gazetteer and that numbered names like Paganini 1 do not conform to SCUFN naming criteria. Further, the feature was not accepted due to lack of bathymetric evidence.

Name proposed from the Paganini oceanographic campaign in November-December 1999.

7.5.1.d Paganini 2 Seamount

Position: *Lat 2°11.3'S, Long 83°44.5'W, Eastern Pacific Ocean*
Proposer: Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal: April 2008
Discoverer: German R/V Sonne (Dr. D. ACKERMAN, GEOMAR)

Date of Discovery: November/December 1999
Minimum Depth: *Not provided*
Maximum Depth: *Not provided*
Total Relief: *Not provided*

The proposed specific term 'Paganini 2' was not accepted, as there is already a Paganini Seamount in the Gazetteer and that numbered names like Paganini 2 do not conform to SCUFN naming criteria. Further, the feature was not accepted due to lack of bathymetric evidence. From the index map provided, it seems that this feature is actually a guyot.

Name proposed from the Paganini oceanographic campaign in November-December 1999.

7.5.1.e Paganini 3 Seamount

Position: *Lat 2°13.6'S, Long 84°28.5'W, Eastern Pacific Ocean*
Proposer: Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal: April 2008
Discoverer: German R/V Sonne (Dr. D. ACKERMAN, GEOMAR)
Date of Discovery: November/December 1999
Minimum Depth: *Not provided*
Maximum Depth: *Not provided*
Total Relief: *Not provided*

The proposed specific term 'Paganini 3' was not accepted, as there is already a Paganini Seamount in the Gazetteer and that numbered names like Paganini 3 do not conform to SCUFN naming criteria. Further, the feature was not accepted due to lack of bathymetric evidence.

Name proposed from the Paganini oceanographic campaign in November-December 1999.

Outcome:

- Paganini 1, 2, 3 Seamounts NOT ACCEPTED.

- Action SCUFN22/28: Secretary to ask the proposer to provide bathymetric data in support of the proposed Paganini 1, 2, 3 seamounts; to also ask the proposer to submit alternative names for these three features, as there is already a Paganini Seamount as part of the Musicians Seamounts in North Central Pacific and that numbered specific terms, e.g. Paganini 1, are not accepted.

7.5.1.f Sonne Seamount

Position: *Lat 1°06.5'S, Long 82°13.9'W, Eastern Pacific Ocean*
Proposer: Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal: April 2008
Discoverer: German R/V Sonne (Dr. D. ACKERMAN, GEOMAR)
Date of Discovery: *Not provided*
Minimum Depth: *Not provided*
Maximum Depth: *Not provided*
Total Relief: *Not provided*

The proposed specific term 'Sonne' was not accepted, as there is already a Sonne Seamount in the Gazetteer. Further, the feature was not accepted due to lack of bathymetric evidence. From the index map provided, it seems that this feature is actually a knoll.

Name proposed from the R/V Sonne, the discoverer of this feature.

Outcome:

- **Sonne Seamount NOT ACCEPTED.**

- **Action SCUFN22/29: Secretary** to ask the proposer to provide bathymetric data in support of the proposed Sonne Seamount; to also ask the proposer to submit an alternative name for this feature, as there is already a Sonne Seamount in North Central Pacific, south of Hawaii.

7.5.1.g Werner Seamount

Position:	<i>Lat 0°00.9'N, Long 83°43.1'W, Eastern Pacific Ocean</i>
Proposer:	<i>Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)</i>
Date of Proposal:	<i>April 2008</i>
Discoverer:	<i>German R/V Sonne (Dr. D. ACKERMAN, GEOMAR)</i>
Date of Discovery:	<i>Not provided</i>
Minimum Depth:	<i>Not provided</i>
Maximum Depth:	<i>Not provided</i>
Total Relief:	<i>Not provided</i>

The proposed specific term 'Werner' was not accepted, as naming features after living persons, like Dr. Reinhardt WERNER (GEOMAR, Germany), does not conform to SCUFN naming criteria. Further, the feature was not accepted due to lack of bathymetric evidence.

Name proposed after Dr. Reinhardt Werner (GEOMAR, Germany).

Outcome:

- **Werner Seamount NOT ACCEPTED.**

- **Action SCUFN22/30: Secretary** to ask the proposer to provide bathymetric data in support of the proposed Werner Seamount; to also ask the proposer to submit an alternative name for this feature, as names of living persons, like Dr. R. WERNER, are not accepted.

7.5.1.h Orion Seamount

Position:	<i>Lat 0°08.6'N, Long 82°51.9'W, Eastern Pacific Ocean</i>
Proposer:	<i>Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)</i>
Date of Proposal:	<i>April 2008</i>
Discoverer:	<i>German R/V Sonne (Dr. D. Ackerman, GEOMAR)</i>
Date of Discovery:	<i>Not provided</i>
Minimum Depth:	<i>Not provided</i>
Maximum Depth:	<i>Not provided</i>
Total Relief:	<i>Not provided</i>

The specific term 'Orion' was not accepted, as the reason for proposing this name was not provided. Further, the feature was not accepted due to lack of bathymetric evidence.

Outcome:

- **Orion Seamount NOT ACCEPTED.**

- **Action SCUFN22/31: Secretary** to ask the proposer to provide bathymetric data in support of the proposed Orion Seamount; to also ask the proposer to provide the reason for naming this feature after 'Orion'.

7.5.1.i Pillow Seamount

Position:	<i>Lat 1°38.2'N, Long 90°48.2'W, Eastern Pacific Ocean</i>
Proposer:	Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal:	April 2008
Discoverer:	German R/V Sonne (Dr. D. Ackerman, GEOMAR)
Date of Discovery:	<i>Not provided</i>
Minimum Depth:	<i>Not provided</i>
Maximum Depth:	<i>Not provided</i>
Total Relief:	<i>Not provided</i>

The specific term 'Pillow' was not accepted, as the reason for proposing this name was not provided. Further, the feature was not accepted due to lack of bathymetric evidence.

Outcome:

- **Pillow Seamount NOT ACCEPTED.**

- **Action SCUFN22/32: Secretary** to ask the proposer to provide bathymetric data in support of the proposed Pillow Seamount; to also ask the proposer to provide the reason for naming this feature after 'Pillow'.

7.5.1.j Galera 1 Seamount

Position:	<i>Lat. 0°50.2'N, Long. 80°45.7'W, South Eastern Pacific Ocean</i>
Proposer:	Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal:	April 2008
Discoverer:	French R/V L'Atalante (Dr. J.Y. COLLOT, IRD, in cooperation with INOCAR)
Date of Discovery:	February/March 2005
Minimum Depth:	<i>Not provided</i>
Maximum Depth:	<i>Not provided</i>
Total Relief:	<i>Not provided</i>

The specific term 'Galera' was accepted for this feature, which is close to Punta Galera. However, the feature was not accepted due to lack of bathymetric evidence.

Name proposed from the nearby Punta Galera, in Ecuador.

Outcome:

- **Galera Seamount PENDING**, with details as above.

7.5.1.k Galera 2 Seamount

Position: *Lat 0°42.9'N, Long 80°46.7'W, Eastern Pacific Ocean*
Proposer: Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal: April 2008
Discoverer: French R/V L'Atalante (Dr. J.Y. COLLOT, IRD, in cooperation with INOCAR)
Date of Discovery: February/March 2005
Minimum Depth: *Not provided*
Maximum Depth: *Not provided*
Total Relief: *Not provided*

The proposed specific term 'Galera 2' was not accepted, as numbered names like Galera 2 do not conform to SCUFN naming criteria. Further, the feature was not accepted due to lack of bathymetric evidence.

Name proposed from the nearby Punta Galera, in Ecuador.

Outcome:

- Galera 2 Seamount NOT ACCEPTED.

7.5.1.l Galera 3 Seamount

Position: *Lat 0°36.7'N, Long 80°49.5'W, Eastern Pacific Ocean*
Proposer: Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal: April 2008
Discoverer: French R/V L'Atalante (Dr. J.Y. COLLOT, IRD, in cooperation with INOCAR)
Date of Discovery: February/March 2005
Minimum Depth: *Not provided*
Maximum Depth: *Not provided*
Total Relief: *Not provided*

The proposed specific term 'Galera 3' was not accepted, as numbered names like Galera 3 do not conform to SCUFN naming criteria. Further, the feature was not accepted due to lack of bathymetric evidence.

Name proposed from the nearby Punta Galera, in Ecuador.

Outcome:

- Galera 3 Seamount NOT ACCEPTED.

- Action SCUFN22/33: Secretary to ask the proposer to provide bathymetric data in support of the proposed Galera 1, 2, 3 seamounts; to also ask the proposer to submit alternative names for Galera 2 and Galera 3, as numbered specific terms, e.g. Galera 2, are not accepted.

7.5.1.m Amadeus Seamount

Position: *Lat 0°25.7'N, Long 80°48.0'W, Eastern Pacific Ocean*
Proposer: Instituto Oceanografico de la Armada (INOCAR), Avenida 25 de Julio, Via a Pto. Maritimo (Base Naval Sur) Casilla de Correos 5940 Guayaquil, Ecuador (inocar@inocar.mil.ec)
Date of Proposal: April 2008

Discoverer:	<i>Not provided</i>
Date of Discovery:	<i>Not provided</i>
Minimum Depth:	<i>Not provided</i>
Maximum Depth:	<i>Not provided</i>
Total Relief:	<i>Not provided</i>

The proposed specific name 'Amadeus' was accepted, but the feature was not accepted due to lack of bathymetric evidence.

Name proposed from the Amadeus oceanographic campaign in March 2005.

Outcome:

- **Amadeus Seamount PENDING**, with details as above.
- **Action SCUFN22/34: Secretary** to ask the proposer to provide bathymetric data in support of the proposed Amadeus seamount.