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**Boulder, Colorado, USA
19-23 September 2016**

SUMMARY REPORT

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29th SCUFN MEETING

Boulder, Colorado, USA, 19-23 September 2016

SUMMARY REPORT

- Notes:** 1) Paragraph numbering is the same as in the agenda (Annex A)
- 2) All documents referred to in these minutes are available from the SCUFN page of the IHO website (www.iho.int > Committees & WGs > IRCC > GEBSCO > SCUFN > 29th Meeting) and are not duplicated in the report for the sake of brevity.

Annexes:

- A [Agenda](#)
- B [List of Decisions and Actions arising from SCUFN-29](#)
- C [List of Acronyms used in this Report](#)
- D [Alphabetic Index of Undersea Feature Names considered at SCUFN-29](#)

1 Opening and Administrative Arrangements

Docs:	SCUFN29-01A	List of Documents (Sec.)
	SCUFN29-01B	List of Participants (Sec.)
	SCUFN29-01C	SCUFN Membership and Observers List (Sec.)
	SCUFN29-01D	Terms of Reference and Rules of Procedure

The 29th meeting of the IHO-IOC GEBSCO Sub-Committee on Undersea Feature Names (SCUFN) was hosted at the National Center for Environmental Information (NCEI) of the National Oceanic and Atmospheric Administration (NOAA), in Boulder, Colorado, USA, from 19 to 23 September.

Dr Hans Werner Schenke (SCUFN Chair, IOC) welcomed all the participants and thanked the host (Ms Lisa Taylor and Emily Rose) for making arrangements. He also welcomed Pr. Roberta Ivaldi (IHO) and Dr Ksenia Dobrolyubova (IOC), as new SCUFN Members, as well as Mr Shin Tani (Chair of the GEBSCO Guiding Committee) and Mr Osamu Miyaki (IOC Secretariat). The SCUFN Chair also paid tribute to Mr Norman Cherkis (SCUFN Member, IOC) for his outstanding contribution in SCUFN activities for many years as he had informed SCUFN Members in August 2016 of his decision to step down from his position in SCUFN.

Following these changes, the Secretary reported on the current status of SCUFN Members' terms, in order to anticipate the membership renewal as the whole process takes about six months. Six members will complete 2 x 5 years as SCUFN Members in 2018. It was recommended that those current members willing to continue will have to put their name forward in 2017 when the IHO and IOC prepare the calls for nominations in May 2017. It was noted that the GEBSCO Guiding Committee should be informed of the renewal process in particular to make sure that there is no vacancy of the Chairmanship between SCUFN meetings.

→ Actions [SCUFN29/01](#), [SCUFN29/02](#)

The final list of participants is provided in Doc. [SCUFN29-01B](#). The Secretary reported on the request made by Mr Simon Claus, representing Marineregions.org, to become an Observer in SCUFN and provided the name of the new NOAA's point of contact for the GEBSCO Gazetteer (Ms Jennifer Jencks).

→ Decision [SCUFN29/03](#), Action [SCUFN29/04](#)

SCUFN Members were reminded that they were acting as subject matter experts representing their parent organization, IHO or IOC, and that due to the large number of proposals to be considered and the high number of participants as observers, only one representative by country would be invited to speak when addressing name proposals.

Dr. Vaughan Stagpoole (SCUFN Member, IOC) kindly accepted to act as rapporteur.

2. Introduction by SCUFN Chair - Approval of Agenda

2.1 SCUFN Chair Report (GEBCO Guidance, Last GEBCO Events, etc.)

The SCUFN Chair reported on the different events that occurred since SCUFN28, among which the 10th International Symposium on Application of Marine Geophysical Data and Undersea Feature Names in the Republic of Korea. Several SCUFN members attended this event. He also informed the participants that the IOC met in June 2016 and a working group was established to better coordinate the IOC's involvement in GEBCO. The SCUFN Chair also reported on the GEBCO *Forum of the Future of Ocean Floor Mapping (F-FOFM)* held in Monaco in June 2016, attended by more than 150 delegates, the main objective of which being the GEBCO 2030 project, aiming to develop a new global high resolution map of the oceans.

Finally, the SCUFN Chair recommended that SCUFN should reinforce, as a first priority in its reviewing process of undersea feature names, the choice of specific terms that have a close connection with marine and geo-related sciences.

→ Decision&Action [SCUFN29/05](#)

2.2 Approval of Agenda

Doc: SCUFN29-02.2A [Agenda and Time Table](#) (Secretary)

The Secretary reminded that the Undersea Feature Names proposals had been included in the agenda in the chronological order of reception by the IHO Secretariat. The agenda was approved as proposed.

Following a question raised by a delegate from Canada, the GGC Chair replied making reference to Art. 2.11 of the SCUFN ToRs - "*Recommendations of the Sub-Committee shall be submitted to the GGC for consideration and Decision*" - and confirming that most of the recommendations made by SCUFN to GGC were such of nature that were endorsed by email in general. A more formal process should be limited to specific cases, for instance those falling within the scope of Art. 2.10 - "*The Sub-Committee will not consider undersea feature name proposals that are politically sensitive*" - . SCUFN Members indicated that they were happy with the current SCUFN ToRs so far.

3. Matters remaining from Previous Meetings

3.1 Review of Actions from SCUFN-28 and transfer to the relevant agenda items

Doc: SCUFN29-03.1A [List of Actions from SCUFN-28 and Status](#) (Secretary)

The Secretary quickly reviewed the list of actions pending from SCUFN-28 and previous meetings. He also drew the attention of SCUFN Members and GGC's Chair on the outstanding level of completion for most of the former actions, prior to SCUFN29, thanks to a contract awarded in 2015 for implementing decisions and actions for SCUFN meetings. This important achievement was highlighted

as the GGC, at its XXXIIIth meeting from 13-14 October in Chile, is prepared to assess and endorse budget bids for funding GEBCO activities from 2018.

Discussions started on the experimental fast-track procedure which is not fully established yet and not accessible to all (in B-6 for instance) which prevents other possible proposers to use it. It was agreed to postpone the discussion on the matter when reviewing proposals from Canada and NZ.

SCUFN Member V. Stagpoole reported on the final steps for the completion of the EOS article.

→ Decision [SCUFN29/06](#), Action [SCUFN29/07](#)

3.2 Report and recommendations of the SCUFN Generic Term Group

Doc: SCUFN29-03.2B Rev1 [Proposal for harmonizing definitions "hill" and "knoll" between ACUF \(US\) and SCUFN](#) (Action SCUFN27/75 refers) (J. Nerantzis)

It was agreed to merge the discussions on the outcome of the work of the SCUFN Generic Term Group with discussion on the new Edition of B-6 under agenda item 6.

J. Nerantzis reported on the proposals made by ACUF for harmonizing the definitions of “knoll” and “hill” between ACUF and SCUFN as requested in previous SCUFN meetings. SCUFN acknowledged US ACUF definitions, and noted that national definitions of generic terms may differ from SCUFN. Proposals for merging definitions made by ACUF were appreciated but not agreed. It was also noted that some flexibility should be necessary for adopting already-existing features.

→ Actions [SCUFN29/08](#), [SCUFN29/09](#)

4 Proposals Submitted during Intersessional Period

Notes: 1/All sections below lead to the [Annex B](#) (main table of Decisions and Actions) using bookmarks. When in Annex B, press **ALT+ left Arrow** on your keyboard to get back to the original section in the main part of the report.

2/ The status of proposed undersea feature names is classified as follows:

- a. **ACCEPTED** (The proposed name, as approved, will be included in the GEBCO gazetteer)
- b. **ADOPTED** (The proposed name is mainly located in a territorial sea and has been approved by the relevant national naming authority. It is adopted for inclusion in the GEBCO gazetteer due to its significance for GEBCO.)
- c. **NOT ACCEPTED** (Both specific and generic terms are considered unsuitable. The proposed name will not be put in the reserve section of the GEBCO gazetteer. The proposer may however be invited to re-formulate his/her proposal.)
- d. **PENDING** (Either the specific term or the generic term is considered unsuitable, or further clarification is needed. The proposed name will be put in the reserve section of the GEBCO gazetteer pending the provision of additional information, e.g. supporting bathymetry or biographic information.)

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It was noted by the Chair and SCUFN Members, that the pre-review made during the intersessional period, which had been possible thanks to the new interface www.scufnreview.org, had to be used to speed up the approval process during the plenary. Therefore, the review process was, in most cases, limited to:

- the assessment and discussions based on the results and comments made by SCUFN Members under scufnreview.org

- the assessment of the feature naming in the general context of the on-line Gazetteer, thanks to the pre-upload in the EDIT mode made by the Secretary prior to the plenary session of the SCUFN meeting.

When questions were raised for some cases, the Chair requested the review of the full proposal.

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4.1 From USA, Schmidt Ocean Institute

Doc: SCUFN29-04.1A Rev3 Proposals (6) from USA, SOI (Mr Leighton Rolley)

4.1.1 Proposals for Engineer Ridge, Colosseum Guyot, Ffynnon Garw Hill, Tell Qarquy Guyot

SCUFN Members noted the improving quality of submissions made by the Schmidt Ocean Institute and appreciated the offer made by the proposer to SCUFN Members to use the List of Reserved-Specific Terms for a couple of features if desired.

The Chair commended the proposer for the proposal on Ffynnon Garw Hill, as a very good example of how a naming proposal is developed, in particular with respect to the specific term. Some concerns were raised on the specific term for Tell Qarquy Guyot as the archeological site at the origin of this specific term is located in a war zone in Syria at the moment.

→ Decisions [SCUFN29/10](#), [29/11](#), [29/12](#), [29/14](#)

4.1.2 Proposals for Indy Maru Seamount, McVay Seamount

SCUFN Members considered these proposals very carefully and finally recommended the proposer to consider the possibility of re-submitting them with less sensitive specific terms.

→ Actions [SCUFN29/15](#), [29/16](#)

As part of the discussions that occurred during the review of these proposals, some concerns were raised and suggestions made, including some by the Chair of GGC, to better record the ways and means of the SCUFN decision-making process by capitalizing on experiences gained for some typical real or test-cases. This could facilitate the elaboration of consistent decisions during SCUFN meetings, before some generic rules could be considered mature enough to be included as amendments, either in B-6 or in SCUFN ToRs. Nonetheless, it was noted that this action was not easy to develop and implement, mainly due to the lack of resources.

→ Action [SCUFN29/13](#)

4.2 From France, Ifremer

Doc: SCUFN29-04.2A Rev1 Proposal (1) from France, Ifremer (Sec.)

4.2.1 Proposal for Ptolémée Seamount

There were some discussions over the specific term because several features already in the GEBCO Gazetteer have *Ptolemy* as specific term. It was decided that the French spelling was different and there would be no confusion.

→ Decision [SCUFN29/17](#)

4.3 From Denmark, Danish Geodata Agency

Doc: SCUFN29-04.3A Proposal (1) from Denmark, Danish Geodata Agency (Sec.)

4.3.1 Proposal for Lomrog Hill

After some discussion and checking the IBCAO map, it was considered that data were missing for this proposal to be properly considered by SCUFN in accordance with existing rules.

→ Decision&Action [SCUFN29/18](#)

4.4 From Canada, GNBC/ACUFN

Doc: SCUFN29-04.4A Rev1 Proposals (12) from Canada, GNBC/ACUFN (Canada Rep.)

4.4.1 Proposals for 12 existing features as described in List#1 of Doc. SCUFN29-04.4A Rev1

ACUF of Canada made this proposal as part the experimentation of the fast-track procedure launched at SCUFN28. There was much discussion about it, considering the major differences in the level of data provided by Canada versus NZGB for its own proposals. The effort made by NZ for submitting already-charted features names and providing associated data (on SCUFN's request) was commended...however "not fast at all", as the initial intention was. Such a time-consuming procedure would not be replicable by other Hydrographic Offices and scientific institutes for sure. Various opinions and mix feelings were shared on the fast-track procedure around the table, but finally SCUFN agreed to make its best effort to pursue its development, considering that if SCUFN would be not able to be innovative enough, other entities, such as Google®, might take over its role in the future...

→ Decision [SCUFN29/19](#)

→ Actions [SCUFN29/20](#), [29/21](#)

4.5 From UK, University of Oxford

Doc: SCUFN29-04.5A Proposal (1) from UK, University of Oxford (Sec.)

4.5.1 Proposal for Mammerickx Microplate

This proposal was carefully examined due to the new suggested generic term "microplate", not available in the Edition in force of B-6. After consideration, SCUFN Members agreed that it was not possible to include such a generic term in B-6 as it is hard to define it as a geomorphological feature.

→ Decision [SCUFN29/22](#)

4.6 From UK, Mr Lee Daniels

Doc: SCUFN29-04.6A Proposals (2) from UK, Mr Lee Daniels (Sec.)

4.6.1 Proposals for Chereskin Seamount and Venda Seamount

The Secretary will get in contact with the proposer to improve the quality of possible future submissions.

→ Decisions&Action [SCUFN29/23](#), [29/24](#)

4.7 From USA, NOAA

Doc: SCUFN29-04.7A Proposal (2) from USA, NOAA

4.7.1 Proposals for Axial Seamount and NW Rota-1 Seamount

Discussions were about the quality of the proposals and the complementary documents, some of which should have been included in the proposals themselves. Some concerns were also raised on the use of NW versus Northwest. The coordinates of the polygons around the seamounts will need to be provided to the Secretary.

→ Decisions [SCUFN29/25](#), [29/26](#)

4.8 From New Zealand, NZGB

Doc: SCUFN29-04.8A Proposals (31) from New Zealand, NZGB

31 proposals were initially submitted by New Zealand (NZGB), falling to 30 when the proposal for Yokosuka Seamount was withdrawn by the proposer. The review of these submissions was very straightforward, thanks to the very high quality of the proposals.

4.8.1 Seventeen proposals were accepted without any change.

→ Decisions [SCUFN29/27](#), [29/29](#), [29/30](#), [29/31](#), [29/32](#), [29/34](#), [29/35](#)
[SCUFN29/37](#), [29/38](#), [29/41](#), [29/45](#), [29/46](#), [29/50](#)
[SCUFN29/51](#), [29/53](#), [29/54](#), [29/57](#)

4.8.2 Eight undersea feature names were accepted with a couple of changes, providing the completion of complementary actions as reported in the following list of actions.

→ Actions [SCUFN29/33](#), [29/36](#), [29/40](#), [29/42](#), [29/43](#), [29/44](#), [29/47](#), [29/55](#)

4.8.3 Five undersea feature names were not accepted for the technical reasons given in the following decisions.

→ Decisions [SCUFN29/28](#), [29/39](#), [29/49](#), [29/52](#), [29/56](#)

It was agreed to consider the proposals related to already-charted undersea feature names, some made by NZGB since 2014, under agenda item 5.2.

4.9 From Malaysia, National Hydrographic Centre (NHC)

Doc: SCUFN29-04.9A Proposal (4) from Malaysia, NHC

The four proposals made by Malaysia were carefully reviewed and the following decisions were made.

4.9.1 Proposal for Sabah Trough

→ Decision [SCUFN29/58](#)

4.9.2 Proposal for Kinabalu Seamount

During the discussions, it appeared that the naming of this feature was proposed by China (CCUFN) at the same time, as Yinqing Seamount.

→ Decisions&Actions [SCUFN29/59](#), [29/129](#)

4.9.3 Proposal for Mustapha Hill

It was considered by SCUFN that the specific term proposed by Malaysia (a politician) had no relation with marine sciences.

→ Decision [SCUFN29/60](#)

4.9.4 Proposal for Layang-Layang Hill

During the discussions, it was considered by SCUFN that the specific term of the feature was related to an island with a disputed name known as Swallow Reef also Pulau Layang-Layang in Malaysia, Danwan Jiao in China, Celerio in the Philippines and Đả Hoa Lau in Vietnam.

→ Decision [SCUFN29/61](#)

For these last two features (~~Mustapha Hill~~ and ~~Layang-Layang Hills~~), SCUFN Chair indicated that SCUFN stands ready to re-examine new proposals from Malaysia at SCUFN30, if desired.

He also reminded the participants that the debates had to remain confidential until the list of actions&decisions and SCUFN report are approved and can be made publicly available.

4.10 From Brazil, DHN

Doc: SCUFN29-04.10A Proposals (7) from Brazil, DHN

All the proposals made by Brazil were examined in a very straightforward way, thanks to the quality of the proposals and the preliminary work made by SCUFN Members using the www.scufnreview.org website prior to the meeting. There were some discussions, only for the generic term of Tagore [Spur].

→ Decisions [SCUFN29/62](#), [29/63](#), [29/64](#), [29/65](#), [29/66](#), [29/67](#), [29/68](#)

4.11 From Dominican Republic, ANAMAR

Doc: SCUFN29-04.11A Proposals (2) Dominican Republic, ANAMAR

The Chair welcomed the proposals from the Dominican Republic as an evidence that GEBCO SCUFN activities remain of interest for all countries over the world. He also thanked SCUFN Member Walter Reynoso Peralta for having acted as go-between prior to SCUFN29, and for providing support and guidance to ANAMAR with their submission.

→ Actions [SCUFN29/69](#), [29/70](#)

Thanks to the proposals made by ANAMAR, it was also noted that *Publicación B-6, Edición 4.1.0, septiembre de 2013* was not totally consistent with the authoritative English/French version of B-6, Edition 4.1.0.

→ Action [SCUFN29/71](#)

4.12 From Japan, JHOD/JCUFN

Doc: SCUFN29-04.12A Proposals (23) from Japan, JHOD/JCUFN

All the proposals made by Japan were examined in a very straightforward way, thanks to the outstanding quality of the proposals and the preliminary work made by SCUFN Members using the www.scufnreview.org website prior to the meeting. The Secretary also noted that in the future, for all proposals, it should be recommended that proposers provide compressed shape files including both the central point coordinates and the geometry describing the extension of the feature, so the implementation into the GEBCO Gazetteer is very quick with a low risk of possible introduction of errors. It is also very useful as part of the quality control procedure used by the Secretary when every name is pre-loaded in the GEBCO Gazetteer before SCUFN plenary meetings. Finally, it was noted that the provision of index maps, displaying all the proposals in their context, as part of the associated documents, is much appreciated.

23 proposals were initially submitted by Japan (JHOD/JCUFN).

4.12.1 Fourteen proposals were accepted without any change.

→ **Decisions** [SCUFN29/74](#), [29/76](#), [29/77](#), [29/78](#), [29/79](#)
[SCUFN29/81](#), [29/82](#), [29/85](#), [29/86](#), [29/87](#)
[SCUFN29/89](#), [29/90](#), [29/91](#), [29/92](#)

4.12.2 Nine undersea feature names were accepted with a couple of changes, providing the completion of complementary actions as reported in the following list of actions.

→ **Actions** [SCUFN29/72](#), [29/73](#), [29/75](#), [29/80](#), [29/83](#)
[SCUFN29/84](#), [29/88](#), [29/93](#), [29/94](#)

4.13 From the Republic of Korea, KHOA/KCGN

Doc: SCUFN29-04.13A Rev1 Proposals (2) from ROK, KHOA/KCGN

Two proposals were submitted by the Republic of Korea (KHOA/KCGN). The review of these submissions was very straightforward, thanks to the very high quality of the proposals.

→ **Decision&Action** [SCUFN29/95](#), [29/96](#)

4.14 From the Russian Federation, SSC YMG

Doc: SCUFN29-04.14A Proposal (1) from Russian Federation, SSC YMG

A single proposal received from the Russian Federation (SSC YMG) was examined with some discussion due to the existence of two features within the polygon.

→ **Action** [SCUFN29/97](#)

4.15 From China, CCUFN

Doc: SCUFN29-04.15A Rev1 Proposals (50) from China, CCUFN

50 proposals were initially submitted by China (CCUFN). Proposals #30 – Penxi Ridge to #50 – Zhongnan Seamount were postponed due to time limit for their reviewing.

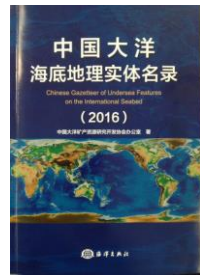
→ **Decision** [SCUFN29/128](#)

For the proposal related to Yinqing Seamount, and as reported in paragraph 4.9.2 above, it appeared during the discussion that the naming of this feature was also proposed by Malaysia (NHC) at the same time.

→ **Decisions&Actions** [SCUFN29/129](#), [29/59](#)

At the beginning of the review, SCUFN Member Lin Shaohua reported on the publication by China of a book *Topography and Geomorphology of China's Coastal Waters and adjacent Sea Area* in 2005 and the *Atlas of Geology and Geophysics of the South China Sea* published in 2015. SCUFN Member Lin Shaohua suggested that the publications showed that the proposal “Kinabalu Seamount” provided by Malaysia was named by China years ago. Lin also informed the participants of the publication on a

yearly basis, of the *Chinese Gazetteer of Undersea Features on the International Seabed*.



A few maps were also displayed to illustrate some cases.

First, it was noted by the SCUFN Chair that specific term and other feature names presented this year had very little or even no connection with marine science or nearby on-land features and this should be discouraged in general.

Out of 29 remaining proposals...

4.15.1 ...eleven (11) proposals were accepted without any change.

→ **Decisions** [SCUFN29/99](#), [29/100](#), [29/101](#), [29/102](#), [29/103](#)
[SCUFN29/104](#), [29/105](#), [29/106](#), [29/107](#), [29/108](#), [29/110](#)

4.15.2 ...five (5) undersea feature names were accepted with a couple of changes, providing the completion of complementary actions as reported in the following list of actions.

→ **Actions** [SCUFN29/98](#), [29/109](#), [29/111](#), [29/114](#), [29/115](#)

4.15.3 ...two (2) undersea feature names were kept as PENDING for various technical reasons (more data was needed in general for SCUFN to be in a position to assess the proposals).

→ **Decisions&Actions** [SCUFN29/112](#), [29/113](#)

4.15.4 ...eight (8) undersea feature names were NOT ACCEPTED.

→ **Decisions** [SCUFN29/120](#), [29/121](#), [29/122](#), [29/123](#)
[SCUFN29/124](#), [29/125](#), [29/126](#), [29/127](#)

4.15.5 ...three (3) undersea feature names were POSTPONED.

→ **Decisions** [SCUFN29/116](#), [29/118](#), [29/119](#)

In a closed session with SCUFN Members only, it was decided to put on hold these 8 + 3 proposals as they raised some serious concerns to most of SCUFN Members present, among which:

- specific terms were considered not appropriate in general;
- features are located in areas of possible interest and/or jurisdiction of some other coastal States, so considered as falling under SCUFN ToRs, Art. 2.10 as politically sensitive;
- as it is the current SCUFN procedure for naming undersea features, it was noted that coastal States had no possibility to be informed of the proposals, prior to possible decisions made by SCUFN while they might affect their possible areas of interest and/or jurisdiction ;

- no evidence was provided by the proposer that guideline in B-6, section III.D¹ had been applied.

SCUFN Member Lin Shaohua provided her comments during the discussion as follows. Those proposals were provided in accordance with SCUFN B-6 .I.A.(Page 2-1:*International concern for naming undersea features is limited to those features entirely or mainly (more than 50%) outside the external limits of the territorial sea, not exceeding 12 nautical miles from the baselines, in agreement with the United Nations Convention on the Law of the Sea*) as well as the practices before SCUFN29 series meetings. Considering that some proposals prior to SCUFN29 meeting were still reviewed and accepted, even though they might affect other States possible areas of interest and/or jurisdiction, she suggested reviewing China's proposals follows the same procedure and the practices. Moreover, China's proposals were submitted before SCUFN29 and the closed session with SCUFN Members only, it was therefore not appropriate to distribute those proposals to the relevant Coastal States based on the decisions made afterwards.

After extensive discussion, it was agreed to report and seek guidance from the GGC on these cases.

→ **Decisions&Actions** [SCUFN29/117](#)

Other concerns were raised about the application of UNCLOS Maritime Scientific Research rules of procedures for collecting data in these areas, but it was agreed that it was beyond the remit of SCUFN to address this issue.

If one could argue that there is obviously some room to clarify some existing guidelines in B-6 to address such cases, it is also the privilege of the SCUFN Chair to apply the appropriate Articles of SCUFN ToRs and B-6 guidelines on case-by-case basis taking into account the comments made by SCUFN Members in the preliminary review. It was proposed to recommend this way forward to the GGC and it will be applied from SCUFN-30 as appropriate.

→ **Decisions&Actions** [SCUFN29/117](#)

5. Liaison with Other Geographical Name Bodies

5.1 Advisory Committee on Undersea Features (ACUF) of the US Board on Geographical Names

Doc: SCUFN29-05.1ARev1 [ACUF Report](#)

Mr J. Nerantzis, Secretary of the Advisory Committee on Undersea Features (ACUF, US) provided an update on the activities of ACUF and explained that the names proposed by ACUF are submitted to the US Board on Geographic Names (USBGN) for adoption.

On SCUFN Secretary's request (SCUFN28 Report refers), he explained very well the policy for coordination matters between ACUF and GEBCO SCUFN:

- in general, and resources permitting, the US BGN adopts SCUFN feature names that are not in conflict with already-approved names that are in the US BGN database. When different, they are included as variant names;
- ACUF and the US BGN primary task is "...to standardize names for geographic features in the US and around the world to be used on US products". As a consequence, ACUF supports SCUFN activities and reports on new features included in its database but does not submit names for inclusion in the GEBCO Gazetteer for international recognition on a systematic manner.
- However, ACUF welcomes the development of a fast-track procedure in SCUFN as a

¹ B-6, III.D: "There is significant benefit to be gained from mutual consultation by all interested parties in preparing and submitting proposals to SCUFN. National naming authorities are encouraged to consult on undersea features names in their mutual areas of interest prior to submitting proposals to SCUFN".

promising mechanism for SCUFN to adopt ACUF names through this process (when it is finalized), as it will simplify the workload and human effort in supplying data for SCUFN examination in the future. It was also noted that US BGN data are fully accessible and provided by courtesy only, not as a requirement.

5.2 Undersea Names Committee of the New Zealand Geographic Board (NZGB)

<i>Docs:</i>	<i>SCUFN29-05.2A</i>	<i>Report of Fast-Track Review of Existing Names by SCUFN Sub-Group (names submitted in 2014 (38), in 2015 (23) – Proposal for Fast-Track Review of Existing Names by SCUFN Sub-Group (names submitted in 2016 (23) (V. Stagpoole)</i>
	<i>SCUFN29-05.2B</i>	<i>Using the forward slash “/” to separate dual names (V. Stagpoole)</i>
	<i>SCUFN29-05.2C</i>	<i>Comments on the proposal to use dual names (Y. Ohara, SCUFN Vice Chair)</i>
	<i>SCUFN29-05.2D</i>	<i>NZGB Standard for Undersea Feature Names (NZGBS60000)</i>
	<i>SCUFN29-05.2E</i>	<i>NZGB's response to Doc. SCUFN29-05.2</i>

38 existing undersea features names, listed in 2014 by the NZGB for SCUFN-27, plus 23, listed in 2015 for SCUFN-28, plus 23 new ones submitted in 2016 for SCUFN-29, had to be considered, using the experimental fast-track review procedure tentatively developed in 2015 (Doc. SCUFN28-05.2C refers).

The procedure itself raised many discussions among SCUFN Members because it is still experimental, because it is not included into B-6 yet (so it is considered that it gives some advantage to the sole supporting organizations of the SCUFN Members who are aware of it), because it may create some precedence, because it is not compliant with the current guidelines in B-6, etc.

As a matter of fact, it should be noted that complementary bathymetric data and information was provided in 2016 by the NZGB, on SCUFN request, for every name proposal since 2014 in order for the SCUFN fast-track review sub-group to be in a good position for assessing the proposals in the intersession period.

The Secretary seconded by the SCUFN and GGC Chairs, reminded that this fast-track procedure was tentatively developed for the sake of SCUFN as SCUFN had to be more innovative than ever, to meet “user requirements” (now NZGB’s, tomorrow Canada’s, then...) so SCUFN can remain the internationally authoritative body for naming undersea features. Otherwise the task will be taken over by the private sector.

In accordance with the provisional fast-track review procedure, the following decisions were made, including some reservations for very few names (Courrejolles Slope, Paritū Trough, Pukekura Canyon, Graveyard Knolls, Herekino Bank, Iselin Seamount).

→ Decisions&Actions [SCUFN29/131](#), [29/132](#), [29/133](#), [29/134](#)

There had been little time for the SCUFN fast-track review subgroup, prior to SCUFN29, to consider the NZGB’s proposals and the associated documentation submitted in 2016.

→ Action [SCUFN29/135](#)

On the procedure itself, it was agreed to pursue its incremental development, taking into account the lessons learned from the submissions by Canada and NZGB in the general context of the preparation of the new Edition of B-6.

→ Actions [SCUFN29/20](#), [29/21](#)

5.2.2 The use of the forward slash “ / ” to separate parts of different origin names having equal status and form a full and single name had been on the agenda of SCUFN for a couple of years. Based on the national New Zealand policy and in accordance with UNGEGN’s principles recognizing dual naming and indigenous geographic names, making reference to the use of “ / ” in some other countries already, the proposal was finally agreed.

→ **Decision** [SCUFN29/130](#)

However, making reference to Decision [SCUFN29/05](#) encouraging short specific terms, SCUFN Members welcomed the statement made by the NZGB by which, in the future, any new undersea feature name proposals (i.e. those not formalising existing recorded names) by the NZGB to SCUFN, will not typically have dual names, unless they are associated with land-based dual names.

5.3 UN Group of Experts on Geographical Names (UNGEGN)

Doc: SCUFN29-05.3A [Report of the 29th Session of the UNGEGN Report](#) (US Rep.)

In the absence of Mr Trent Palmer, US Representative and UNGEGN Liaison Officer with the IHO, the report of the 29th Session of the UNGEGN was delivered by Mr Gerard Walter (NGA) on his behalf. The SCUFN Secretary added that there were several documents of interest available on the UNGEGN website in relation with toponymy standards and undersea feature naming (See <http://unstats.un.org/unsd/geoinfo/UNGEGN/sessions.html>).

Considering the nature of the activities of UNGEGN, the SCUFN Secretary informed SCUFN that the IHO Secretariat might participate in the next session of UNGEGN in August 2017.

5.4 Marine Regions

Doc: SCUFN29-05.4A [Marine Regions Report](#)

In the absence of Mr Simon Claus, Marine Regions (<http://marineregions.org/>), the SCUFN Secretary summarized his report. Issues and recommendations given in the report were duly noted as they need to be addressed.

The graphic showing the content of the undersea features in the Marine Regions database (3967 names from GEBCO, 2303 from ACUF, 1114 from other sources), raised some questions on the policy adopted by Marine Regions for conflicting names between different sources.

→ **Action** [SCUFN29/136](#)

6. Standardization of Undersea Feature Names: IHO-IOC Publication B-6

*Docs: SCUFN29-06A [Initial review of a draft new Edition of Publication B-6](#) (Secretary)
SCUFN29-06B [Status of website interface for submission and review of proposals](#) (H-C Han)
- [Presentation](#)
SCUFN29-06C [Report of the Project Team on the Development of an S-100 Product Specification for Undersea Feature Names and Registering SCUFN terms in the IHO Registry- Draft Terms of reference and Rules of Procedure](#) (Canada) - [Presentation](#)*

6.1 A draft new Edition of B-6 was developed during the intersession period to include the outcome of the work done by the SCUFN Generic Term Sub-group and some editorial corrections. The Secretary reminded the different steps for approving a new Edition of Publication B-6 (endorsement by the GGC then by the Inter-Regional Coordination Committee of the IHO (IRCC), then by the IHO Member States by IHO Circular Letter after the IHO Council has endorsed it. This process might take 12 to 18 months.

Due to the concerns raised under agenda 4 on possible improvements of B-6 to better reflect some sensitive cases, and considering that the fast-track review procedure was not finalized yet, SCUFN Members confirmed that there was no need for speeding up its review within SCUFN and issue a new Edition.

→ Decision [SCUFN29/137](#)

→ Decision&Action [SCUFN29/139](#)

→ Actions [SCUFN29/05](#), [29/08](#)

6.2 The new interfaces set up for reviewing the proposals (Doc. SCUFN29-06B), kindly developed by the Republic of Korea (KHOA), prove to become more and more efficient, meeting after meeting. SCUFN Members confirmed that they were a key element for ensuring the efficiency of SCUFN activities, but recognized that there was duplication of effort for uploading twice even three times the various proposals (once on the IHO website prior to SCUFN meetings, once on www.scufnsubmission.org for preliminary review by SCUFN Members, and once on the GEBCO Gazetteer). There is currently no interoperability between these webservices and the lack of human resources make the tasks more and more demanding while the flow of naming proposals continues to increase.

Several inter-related actions need to be considered to develop interfaces between SCUFN webservices and improve the situation, even if some of these actions are not entirely in the hands of SCUFN only.

→ Action [SCUFN29/138](#)

→ Decisions&Actions [SCUFN29/139](#), [29/150](#)

6.3 Following a proposal made at SCUFN28 (2015) to consider, within the S-100 framework, the development of a product specification for undersea features and the harmonization of definitions that already exist in B-6 and the IHO Registry Feature Concept Dictionary of S-100, the S-57 Feature Catalogue and the IHO Hydrographic Dictionary S-32, Canada, who leads this action, reported on the development of the ToRs of a Project Team. The SCUFN Chair invited the SCUFN Generic Term Sub-Group to consider the possibility of participating actively as Expert Contributors in the work of this Project Team as soon as it is set up.

→ Decisions&Actions [SCUFN29/140](#), [29/150](#)

7. Gazetteer of Undersea Feature Names

7.1 Maintenance of the on-line interface to GEBCO Gazetteer database

Doc: SCUFN29-07.1A Rev1 [Wish-List of Improvements to the On-line Interface of the GEBCO Gazetteer](#) (Secretary)
 SCUFN29-07.1B *Report and proposals by NOAA/NCEI on maintenance issues (L. Taylor/J. Cartwright)*

Ms Lisa Taylor and Mr John Cartwright from NOAA participated in the SCUFN meeting, for this agenda item, as no input had been provided prior to the meeting in response to the questions and issues addressed by the SCUFN Secretariat in 2015 and 2016 (Docs. SCUFN28-07.1A and SCUFN29-07.1A respectively) on the maintenance and upgrades of the GEBCO Gazetteer of Undersea Feature Names.

In introduction, the SCUFN Secretary also described the 3 separate web systems used for loading, reviewing and viewing proposals and displaying information: the IHO website, the GEBCO Gazetteer operated by NOAA, the Korean reviewing and feature definition websites, and highlighted the work load and duplication of effort that need to be addressed.

Ms Lisa Taylor informed that there was no NOAA funding for further developments and that it would not be possible to accept IHO or IOC funds anyway. She said that her rough estimate for the GEBCO

Gazetteer maintenance was about 200,000 US\$/year but no evidence was provided to underpin this statement. Mr John Cartwright reported on the maintenance done last year on the GEBCO Gazetteer foundations, with respect to servers, Oracle spatial database, Java machine and other software licences, but he confirmed that none of the wish-list issues had been addressed as it was not budgeted. As for interfacing the different existing webservices, Mr John Cartwright informed SCUFN that the API used in the NOAA GEBCO Gazetteer website could be used for *accessing* and *pull* information *from* the GEBCO Gazetteer, between sites. However, it is likely that it would be impossible to do it on the other way, because of the existing protocols to control security issues.

The SCUFN Secretary took the opportunity of having Mr John Cartwright in the meeting room to question him on the provision of ID and password to every SCUFN Members so they can access the GEBCO Gazetteer in EDIT mode. He also reported on the dysfunction of the GEBCO Gazetteer using the last version of Chrome on some laptops (Windows8). No response was provided at the meeting to fix these issues. Finally, the SCUFN Secretary, making reference to the wish-list of improvements but also to the expected changes in the database modelling in the future, in order to be compliant with the S-100 framework, stated that the GEBCO Gazetteer had to be considered as an incremental project to remain innovative, authoritative at the international level and mainly to meet users' requirements: for these reasons, it had to be maintained and supported as a project, in a sustainable manner.

After some debate on the possible alternatives and risks, SCUFN Members supported by the GGC Chair confirmed that the GEBCO Gazetteer was the cornerstone of SCUFN activities. It was agreed to move forward, starting by establishing a cost-estimate (man/hour) of the wish-list of improvements.

→ Actions [SCUFN29/141](#), [29/142](#)

Due to the uncertainties about the possibility for sustainable maintenance and upgrade plans of the GEBCO Gazetteer interface by NOAA, SCUFN Member Han made a proposal later in the week. It is noted that this offer does not intend to hamper any progress that could be decided by NOAA in the meantime, which is obviously welcome.

→ Action [SCUFN29/150](#)

7.2 Maintenance of the GEBCO Gazetteer database (including PENDING names)

Docs: SCUFN29-07.2A Rev2 [Maintenance of the GEBCO Gazetteer Database](#) (Secretary)
SCUFN29-07.2B Rev1 [Monitoring the list of the PENDING names](#)

As a permanent task, the SCUFN Secretary provided a detailed status report of the GEBCO Gazetteer database and on the outcomes of the maintenance of this database during the intersession. Thanks to the contract, most of the tasks relating to the implementation of former SCUFN decisions, had been completed.

SCUFN Member Felipe Barrios provided the Secretary with a national Chilean decree, to update the spelling of one undersea feature name in the database. It was also agreed that editorial changes had to remain under the sole responsibility of the SCUFN Secretary.

→ Decisions&Actions [SCUFN29/143](#), [29/144](#), [29/145](#)

SCUFN Member Yasuhiko Ohara (Vice-Chair) made the point that he had provided the Secretary with the complementary information during the intersession for Action SCUFN28/50 (Parece Vela Knoll Province). This was acknowledged. Remaining actions and suggestions made in Docs. SCUFN29-07.2A&B were not reviewed in detail at SCUFN29 due to the lack of time. They still need to be considered in the coming intersession period.

→ Decisions&Actions [SCUFN29/146](#), [29/147](#)

7.3 Undersea Feature Names located in the territorial sea of a Coastal State and discussion on

the role/scope of SCUFN

Doc: SCUFN29-07.3A *Proposals (139) by ACUFN, Canada*

SCUFN thanked Canada for raising an important issue on the scope of SCUFN when undersea features, for which naming proposals are made to SCUFN for international recognition, are located in the territorial sea of a Coastal State. The Edition of B-6 which is in force (Ed. 4.1.0, September 2013) provides some guidelines to address this issue but it is likely that if submissions of such nature would become more systematic, SCUFN would need to improve these guidelines to make them more robust and manageable with the current resources available (manpower).

It was also agreed that it would be wise to wait until the S-100 data model has been adopted and then, to review how undersea feature names located in the territorial sea of a Coastal State could be incorporated and/linked to GEBCO Gazetteer. The SCUFN Secretary added that GEBCO products are mainly small-scale bathymetric maps and databases, so there would a need to really consider the users' requirements as a primary task, before it is decided to add this task to SCUFN. One of the main reasons is that other "digital" products covering the territorial sea at large scale (such as ENC's) do have undersea feature names already in their data model. So do we really need to expand the GEBCO Gazetteer "small scale" database for that, with the risk of being overwhelmed by hundreds of proposals?

→ Decision [SCUFN29/148](#)

7.4 Micro Undersea Features

Docs: SCUFN29-07.4A *Proposal for the development of a road map (Chair/Vice Chair)*
 SCUFN29-07.4B [Useful Reference SCUFN25-08.1A](#)

The same reasoning than for agenda item 7.3 was used.

→ Decision [SCUFN29/149](#)

8. Any Other Business**8.1 Open Discussion on the Promotion of SCUFN Activities (call for submissions, circular letter from parent organizations, publications, etc.)**

SCUFN Member Hyun-chul Han reported that he just received an offer from KIGAM and KHOA to provide some assistance for S-100 undersea feature names database model in the context of the GEBCO Gazetteer.

→ Action [SCUFN29/150](#)

9. SCUFN Programme of Work – Review of the draft List of Decisions and Actions

Doc: SCUFN29-09.1A *Draft SCUFN Programme of Work 2017-18 to be submitted to GEBCO Guiding Committee*

The SCUFN Secretary reported that a draft programme of work for SCUFN activities including tasks and work items (B-6, maintenance of the GEBCO Gazetteer, etc.) had been submitted for endorsement by the GGC. This programme of work is now in an IHO standardized format. It includes budget bids, the allocation of funds being decided at the GGC level.

Post-meeting note: See [GGCXXXIII report](#), Annex G, page 40/56.

10. Dates and Venues for the Next Meetings

SCUFN thanked SCUFN Member Roberta Ivaldi for her offer to host SCUFN-30 in 2017. For SCUFN-31 in 2018, Chile will be considering the option with possible back-up arrangements in USA or in China.

→ Actions [SCUFN29/152](#), [29/153](#)

Post-meeting note: SCUFN30 dates confirmed to be 2 – 6 October 2017.

11. Conclusion

In his concluding remarks, the Chair thanked NOAA for hosting and organizing the meeting. He thanked the participants for their contributions and the sub-groups for their intersessional work. He noted that SCUFN had a very large number of proposals to consider this year: a good reason if any to see the www.scufnreview.org web services and to continue the development of the fast-track review procedure. He acknowledged that the preparation of a new Edition of B-6 was needed to better address some issues that SCUFN faced this year, but it will take some time as it is a complex task and the resources are scarce.

Despite the difficulties, the SCUFN reminded SCUFN Members that our main objective is to continue the work of approving names and update B-8 (the GEBICO Gazetteer).

Annex A to SCUFN-29 Report

29th SCUFN MEETING
Boulder, Colorado, USA 19-23 September 2016

AGENDA and TIMETABLE

Notes: 1) Meeting to start at 0900 at the NOAA/NCEI, Boulder, on Monday 19 September 2016
2) Names of prospective presenters of papers are given in parenthesis.

Monday 19 Sept.	SCUFN-29 DAY 1
0830-0900	Welcome and Registration
0900	Welcome address by Ms Lisa Taylor (NOAA/NCEI) (tbc)
0910	<p>1. Opening and Administrative Arrangements</p> <p><i>Doc: SCUFN29-01A List of Documents (Sec.)</i></p> <p><i>SCUFN29-01B List of Participants (Sec.)</i></p> <p><i>SCUFN29-01C SCUFN Membership and Observers List (Sec.)</i></p> <p><i>SCUFN29-01D Terms of Reference and Rules of Procedure</i></p>
0930	<p>2. Introduction by SCUFN Chair - Approval of Agenda</p> <p>2.1 SCUFN Chair Report (GEBSCO Guidance, Last GEBSCO Events, etc.)</p> <p><i>Doc: SCUFN29-02.1A SCUFN Chair Report (Chair)</i></p> <p>2.2 Approval of Agenda</p> <p><i>Doc: SCUFN29-02.2A Agenda and Time Table (Secretary)</i></p>

0945	<p>3. Matters remaining from Previous Meetings</p> <p>3.1 Review of Actions from SCUFN-28 and transfer to the relevant agenda items <i>Doc: SCUFN29-03.1A List of Actions from SCUFN-28 and Status (Secretary)</i></p> <p>3.2 Report and recommendations of the SCUFN Generic Term Group <i>Doc: SCUFN29-03.2A Recommendations from SCUFN Generic Term Group and Actions to be considered by SCUFN (Group Members)</i></p> <p style="padding-left: 40px;"><i>SCUFN29-03.2B Proposal for harmonizing definitions "hill" and "knoll" between ACUF (US) and SCUFN (J. Nerantzis)</i></p>
1030	Group Photo and Coffee Break
1050	<p>4. Proposals Submitted during Intersessional Period</p> <p>4.1 From USA, Schmidt Ocean Institute <i>Doc: SCUFN29-04.1A Proposals (6) from USA, SOI (Mr Leighton Rolley)</i></p> <p>4.2 From France, Ifremer <i>Doc: SCUFN29-04.2A Proposal (1) from France, Ifremer (Sec.)</i></p> <p>4.3 From Denmark, Danish Geodata Agency <i>Doc: SCUFN29-04.3A Proposal (1) from Denmark, Danish Geodata Agency (Sec.)</i></p> <p>4.4 From Canada, GNBC/ACUFN <i>Doc: SCUFN29-04.4A Proposals (12) from Canada, GNBC/ACUFN (K. Fadaie)</i></p>
1230	Lunch Break

1330	<p>4. Proposals Submitted during Intersessional Period (continue)</p> <p>4.5 From UK, University of Oxford</p> <p><i>Doc: SCUFN29-04.5A Proposal (1) from UK, University of Oxford (Sec.)</i></p>
1400	<p>4. Proposals Submitted during Intersessional Period (continue)</p> <p>4.6 From UK, Mr Lee Daniels</p> <p><i>Doc: SCUFN29-04.6A Proposals (2) from UK, Mr Lee Daniels (Sec.)</i></p> <p>4.7 From USA, NOAA</p> <p><i>Doc: SCUFN29-04.7A Proposals (2) from USA, NOAA</i></p>
1500	Coffee Break
1520	<p>4. Proposals Submitted during Intersessional Period (continue)</p> <p>4.8 From New Zeland, NZGB</p> <p><i>Doc: SCUFN29-04.8A Proposals (31) from New Zealand, NZGB</i></p>
1700	END OF SESSION DAY 1
Tuesday 20 Sept.	SCUFN-29 DAY 2

0830	<p>5. Liaison with Other Geographical Name Bodies</p> <p>5.2 Undersea Names Committee of the New Zealand Geographic Board (NZGB)</p> <p><i>Docs: SCUFN29-05.2A Report of Fast-Track Review of Existing Names by SCUFN Sub-Group (feature names listed for SCUFN-27 (2014) and SCUFN-28 (2015) – Proposal for Fast-Track Review of Existing Names by SCUFN Sub-Group (names submitted for SCUFN29 (2016)) (V. Stagpoole)</i></p> <p><i>SCUFN29-05.2B Using the forward slash “/” to separate dual names (V. Stagpoole)</i></p> <p><i>SCUFN29-05.2C Comments on the proposal to use dual names (Y. Ohara, SCUFN Vice Chair)</i></p>
1030	Coffee Break
1050	<p>4. Proposals Submitted during Intersessional Period (continue)</p> <p>4.9 From Malaysia, National Hydrographic Centre (NHC)</p> <p><i>Doc: SCUFN29-04.9A Proposals (4) from Malaysia, NHC</i></p> <p>4.10 From Brazil, DHN</p> <p><i>Doc: SCUFN29-04.10A Proposals (7) from Brazil, DHN</i></p>
1230	Lunch Break
1330	<p>4. Proposals Submitted during Intersessional Period (continue)</p> <p>4.11 From Dominican Republic, ANAMAR</p> <p><i>Doc: SCUFN29-04.11A Proposals (2) from Dominican Republic, ANAMAR</i></p> <p>4.12 From Japan, JHOD/JCUFN</p> <p><i>Doc: SCUFN29-04.12A Proposals (23) from Japan, JHOD/JCUFN</i></p>
1500	Coffee Break

1520	<p>5. Liaison with Other Geographical Name Bodies (continue)</p> <p>5.1 Advisory Committee on Undersea Features (ACUF) of the US Board on Geographical Names</p> <p><i>Doc: SCUFN29-05.1A ACUF Report</i></p> <p>5.3 UN Group of Experts on Geographical Names (UNGEGN)</p> <p><i>Doc: SCUFN29-05.3A Report of the 29th Session of the UNGEGN Report (US Rep.)</i></p> <p>5.4 Marine Regions</p> <p><i>Doc: SCUFN29-05.4A Marine Regions Report</i></p>
1700	END OF SESSION DAY 2
1900	Non-host dinner(to be confirmed)
Wednesday 21 Sept.	SCUFN-29 DAY 3
0900	<p>4. Proposals Submitted during Intersessional Period (continue)</p> <p>4.12 From Japan, JHOD/JCUFN (cont.)</p> <p><i>Doc: SCUFN29-04.12A Proposals (23) from Japan, JHOD/JCUFN</i></p>
1030	Coffee Break
1050	<p>6. Standardization of Undersea Feature Names: IHO-IOC Publication B-6</p> <p><i>Docs: SCUFN29-06A Initial review of a draft new Edition of Publication B-6 (Secretary)</i></p> <p><i>SCUFN29-06B Status of website interface for submission and review of proposals (H-C Han)</i></p> <p><i>SCUFN29-06C Report of the Project Team on the Development of an S-100 Product Specification for Undersea Feature Names and Registering SCUFN terms in the IHO Registry – Draft Terms of reference and Rules of Procedure (K. Fadaie)</i></p>
1230	Lunch Break

1330	<p>7. Gazetteer of Undersea Feature Names</p> <p>7.1 Maintenance of the on-line interface to GEBCO Gazetteer database</p> <p><i>Doc: SCUFN29-07.1A Wish-List of Improvements to the On-line Interface of the GEBCO Gazetteer (Secretary)</i> <i>SCUFN29-07.1B Report and proposals by NOAA/NCEI on maintenance issues (L. Taylor/J. Cartwright)</i></p> <p>7.2 Maintenance of the GEBCO Gazetteer database (including PENDING names)</p> <p><i>Doc: SCUFN29-07.2A Maintenance of the GEBCO Gazetteer Database (Secretary)</i> <i>SCUFN29-07.2B Monitoring the list of the PENDING names</i> <i>SCUFN29-07.2C Procedure for editorial corrections in the Gazetteer, identified by, or reported to SCUFN Members (tbd)</i></p>
1530	Coffee Break
1550	<p>7. Gazetteer of Undersea Feature Names (cont.)</p> <p>7.3 Undersea Feature Names located in the territorial sea of a Coastal State and discussion on the role/scope of SCUFN</p> <p><i>Doc: SCUFN29-07.3A Proposals (139) by ACUFN, Canada (K. Fadaïe)</i></p> <p>7.4 Micro Undersea Features</p> <p><i>Docs: SCUFN29-07.4A Proposal for the development of a road map (Chair/Vice Chair)</i> <i>SCUFN29-07.4B Useful Reference SCUFN25-08.1A</i></p>
1700	END OF SESSION DAY 3
Thursday 22 Sept.	SCUFN-29 DAY 4

0900	<p>4. Proposals Submitted during Intersessional Period (continue)</p> <p>4.13 From the Republic of Korea, KHOA/KCGN</p> <p><i>Doc: SCUFN29-04.13A Proposals (4) from ROK, KHOA/KCGN</i></p> <p>4.14 From the Russian Federation, SSC YMG</p> <p><i>Doc: SCUFN29-04.14A Proposal (1) from Russian Federation, SSC YMG</i></p>
1030	Coffee Break
1050	<p>4. Proposals Submitted during Intersessional Period (continue)</p> <p>4.15 From China, CCUFN</p> <p><i>Doc: SCUFN29-04.15A Proposals (50) from China, CCUFN</i></p>
1230	Lunch Break
1330	<p>4. Proposals Submitted during Intersessional Period (continue)</p> <p>4.15 From China, CCUFN (cont.)</p> <p><i>Doc: SCUFN29-04.15A Proposals (50) from China, CCUFN</i></p>
1530	Coffee Break
1550	<p>4.15 From China, CCUFN (cont.)</p> <p><i>Doc: SCUFN29-04.15A Proposals (50) from China, CCUFN</i></p>
1700	END OF SESSION DAY 4
Friday 23 Sept.	SCUFN-29 DAY 5
0900	8. Any Other Business

0930	9. SCUFN Programme of Work – Review of the draft List of Decisions and Actions <i>Doc: SCUFN29-09.1A Draft SCUFN Programme of Work 2016-17 to be submitted to GEBCO Guiding Committee</i>
1030	Coffee Break
1050	10. Dates and Venues for the Next Meetings
1130	11. Conclusion
1200	END OF SESSION DAY 5 – END OF SCUFN-29
1215	Lunch

DECISIONS and ACTIONS FROM SCUFN-29

Decision/Action	Agenda Item	Details	Deadlines/Status (Dec. 2016)
	1	Opening and Administrative Arrangements	
SCUFN29/01		IHO and IOC Secretariats to prepare calls for SCUFN Membership possible vacancies as appropriate and no later than September 2017 so new nominees can investigate possibility of participating in SCUFN31 (2018).	Sep. 2017 (Done for IOC in 2016 for succeeding N. Cherkis – IOC Letter 2644 dated 10 Oct. 2016)
SCUFN29/02		SCUFN Sec. to circulate the Excel spreadsheet depicting the status and future plans/deadlines of SCUFN Membership to SCUFN Members and IOC Secretariat's representative.	Done
SCUFN29/03		SCUFN Members agreed to add Marine Regions' SCUFN point of contact (Mr Simon Claus) in the SCUFN Membership List as an Observer.	Done
SCUFN29/04		Sec. to update the SCUFN Membership List with Ms Jennifer Jencks as new NOAA's point of contact for the GEBICO Gazetteer.	Done
	2	Introduction by SCUFN Chair - Approval of Agenda	
SCUFN29/05		SCUFN Chair invited SCUFN Members in general, to give top priority consideration to short specific names that are in relation with marine geophysics, hydrographic and oceanographic sciences. Subsequent amendment to emphasize this statement, to be considered for inclusion in the future new Edition of B-6.	
	3	Matters remaining from Previous Meetings	
	3.1	Review of Actions from SCUFN-28 and transfer to the relevant agenda items	
SCUFN29/06		Following action SCUFN28/94, SCUFN Members agreed not to submit an article in Hydro International.	

Decision/Action	Agenda Item	Details	Deadlines/Status (Dec. 2016)
SCUFN29/07 (former SCUFN28/95)		<p>Sec. to provide all SCUFN Members with their GEBSCO Gazetteer Editors username and password so they can:</p> <ul style="list-style-type: none"> - log in - assess the new proposed feature names in EDIT mode - make editorial corrections directly 	Request sent by Sec. to NOAA' POCs on 21 Sep. 2016
	3.2	Report and recommendations of the SCUFN Generic Term Group (Yas, Vaughan, Han)	
SCUFN29/08		Ana and Vaughan - when providing inputs to the draft fast-track procedure (See Action SCUFN29/20) - to propose a sentence that will be later included in the future new Edition of B-6 allowing some flexibility for adopting already-existing UFN with generic terms that are not fully aligned with B-6 definitions.	Dec. 2016
SCUFN29/09 (former SCUFN28/06)	3.2	SCUFN Generic Term Group to provide Han with all the generic terms and definitions that need to be added to scufnterm.org.	End of Oct. 2016
	4	Proposals Submitted during Intersessional Period	
	4.1	From USA, Schmidt Ocean Institute, Mr Leighton Rolley	
SCUFN29/10		Proposal for Engineer Ridge is ACCEPTED	
SCUFN29/11		Proposal for Colosseum Guyot is ACCEPTED	
SCUFN29/12		Proposal for Ffynnon Garw Hill is ACCEPTED [with typo mistake on dates to be corrected]	
SCUFN29/13		SCUFN Chair/Vice-Chair/Sec to consider how SCUFN can record rationales supporting decisions made for addressing difficult cases in sessions (cook-book?, live appendix to ToRs? repository of best practices?...), so lessons learned can be re-used in consistent manner in the future.	SCUFN-30
SCUFN29/14		Proposal for Tell Qarqur [Guyot] is ACCEPTED with the generic term changed to Knoll and the polygon to be modified closer to the feature	
SCUFN29/15		Proposal for [Indy Maru] Seamount is kept as PENDING with the specific term to be changed for the following reasons: <ul style="list-style-type: none"> - The specific term is not compliant with rule B-6-II-A.4 - The history of the ship is considered as sensitive 	SCUFN-30
SCUFN29/16		Proposal for [MeVay] Seamount is kept as PENDING for the same reasons given for the proposal for Indy Maru Seamount.	SCUFN-30

Decision/Action	Agenda Item	Details	Deadlines/Status (Dec. 2016)
	4.2	From France, Ifremer	
SCUFN29/17		Proposal for Ptolémée Seamount is ACCEPTED.	
	4.3	From Denmark, Danish Geodata Agency	
SCUFN29/18		Proposal for Lomrog Hill is NOT ACCEPTED for the following reasons: <ul style="list-style-type: none"> - Part of Morozov Ridge - Missing data SCUFN Chair to invite the proposer to revise his proposal accordingly for re-submission.	Dec. 2016
	4.4	From Canada, ACUFN	
SCUFN29/19		Proposal for 12 existing features (List#1 in Doc. SCUFN29-04.4 Rev1) are ACCEPTED as part of the experimental procedure for fast track review applicable for existing features.	
SCUFN29/20		Draft proposal for fast-track procedure annexed to SCUFN28-05.2C to be revised by all SCUFN Members based on lessons learned from the experimentation made for NZGB's and Canada ACUF's proposals. Inputs to be provided to Vaughan and Sec.	End of Dec. 2016
SCUFN29/21		Vaughan and Sec. to consolidate the fast-track procedure, based on inputs received, for final approval by SCUFN Members at SCUFN-30.	Prior to SCUFN-30
	4.5	From UK, University of Oxford	
SCUFN29/22		Proposal for Mammerickx Microplate Channel is NOT ACCEPTED for the following reason: <ul style="list-style-type: none"> - "microplate" does not exist in B-6 and SCUFN considers that there is no possibility to include "microplate" as a new generic term in B-6 as it is not a geomorphological feature. 	
	4.6	From UK, Mr Lee Daniels	
SCUFN29/23		Proposal for Chereskin Seamount is NOT ACCEPTED as not compliant with B-6 rules (specific term: Chereskin still alive, incomplete proposal form).	
SCUFN29/24		Proposal for Venda Seamount is NOT ACCEPTED (proposal incomplete with respect to bathymetric evidence). Sec. to invite the proposer that he looks at B-6 appendix and other good examples available on the SCUFN webpages.	
	4.7	From US, NOAA	
SCUFN29/25		Proposal for Axial Seamount is ACCEPTED with polygon coordinates to be provided by the proposer.	

Decision/Action	Agenda Item	Details	Deadlines/ Status (Dec. 2016)
SCUFN29/26		Proposal for NW Rota-1 Seamount is ACCEPTED with polygon coordinates to be provided by the proposer.	
	4.8	From New Zealand, NZGB	
SCUFN29/27		Proposal for Cagou Trough is ACCEPTED.	
SCUFN29/28		Proposal for Sonne Seamount is NOT ACCEPTED to avoid confusing duplication of names (B-6 introduction refers).	
SCUFN29/29		Proposal for Kibblewhite Seamount is ACCEPTED.	
SCUFN29/30		Proposal for Pūtoto Seamount is ACCEPTED.	
SCUFN29/31		Proposal for Haungaroa Seamount is ACCEPTED.	
SCUFN29/32		Proposal for Speight Knoll is ACCEPTED.	
SCUFN29/33		Proposal for Hinepuia [Seamount] is ACCEPTED with the generic term changed to Seamounts.	
SCUFN29/34		Proposal for Lillie Seamount is ACCEPTED.	
SCUFN29/35		Proposal for Cotton Seamount is ACCEPTED.	
SCUFN29/36		Proposal for Monowai [Seamount] is ACCEPTED with the generic term changed to Seamounts.	
SCUFN29/37		Proposal for Rumble IV Seamount is ACCEPTED.	
SCUFN29/38		Proposal for Hinetāpeka Seamount is ACCEPTED.	
SCUFN29/39		Proposal for Gamble Seamount is NOT ACCEPTED as not compliant with B-6 (specific term, Pr. J. Gamble is alive).	
SCUFN29/40		Proposal for [Healy] Seamount is ACCEPTED with the specific term changed to James Healy to avoid duplication with the already existing Healy Seamount located in the Arctic Ocean.	
SCUFN29/41		Proposal for Kuiwai Seamount is ACCEPTED.	
SCUFN29/42		Proposal for Oliver Knoll is ACCEPTED (coordinates of the centre to be provided by NZGB).	
SCUFN29/43		Proposal for Brothers Seamount is ACCEPTED (coordinates of a reduced polygon to be provided by NZGB).	
SCUFN29/44		Proposal for Rumble II West Seamount is ACCEPTED with polygon to be modified.	
SCUFN29/45		Proposal for Rumble II East Seamount is ACCEPTED.	
SCUFN29/46		Proposal for Rapuhia Seamount is ACCEPTED.	
SCUFN29/47		Proposal for Giggenbach Seamount is ACCEPTED (new polygon to be provided).	
SCUFN29/48		Proposal for Yokosuka Seamount is WITHDRAWN by the proposer.	

Decision/Action	Agenda Item	Details	Deadlines/Status (Dec. 2016)
SCUFN29/49		Proposal for Cole Seamount is NOT ACCEPTED as not compliant with B-6 (specific term, Pr. J. Cole is alive).	
SCUFN29/50		Proposal for Silent II Seamount is ACCEPTED.	
SCUFN29/51		Proposal for Rakahore Seamount is ACCEPTED.	
SCUFN29/52		Proposal for Tangaroa Seamount is NOT ACCEPTED to avoid confusing duplication of names (B-6 introduction refers).	
SCUFN29/53		Proposal for Ngātoroirangi Seamount is ACCEPTED.	
SCUFN29/54		Proposal for Rumble V Seamount is ACCEPTED.	
SCUFN29/55		Proposal for [Thompson] Seamount is ACCEPTED with the specific term changed to Rose-Marie Thompson to avoid duplication with the already existing Thompson Seamount provided NZGB confirms it.	
SCUFN29/56		Proposal for Wright Seamounts is NOT ACCEPTED as not compliant with B-6 (specific term, Pr. I. Wright is alive).	
SCUFN29/57		Proposal for Havre Seamount is ACCEPTED.	
	4.9	From Malaysia, NHC	
SCUFN29/58		Proposal for Sabah Trough is NOT ACCEPTED as the feature is already named as Palawan Trough in the GEBICO Gazetteer.	
SCUFN29/59 (=SCUFN29/129)		Proposals for Kinabalu Seamount (and Yinqing Seamount) are kept as PENDING in application of B-6, I. E (conflict of naming to be solved by authorities involved).	
SCUFN29/60		Proposal for Mustapha Hill is kept as PENDING with a new specific term to be submitted by the proposer in relation with marine research.	
SCUFN29/61		Proposal for Layang-Layang [Hill] is kept as PENDING with the generic term modified as Hills and a new specific term to be submitted by the proposer in relation with marine research, here in application of SCUFN TORs, paragraph 2.10.	
	4.10	From Brazil, DHN	
SCUFN29/62		Proposal for Bentes Seamount is ACCEPTED.	
SCUFN29/63		Proposal for Bode Verde Seamounts is ACCEPTED.	
SCUFN29/64		Proposal for Jorge Amado Seamount is ACCEPTED.	
SCUFN29/65		Proposal for Pará Hill is ACCEPTED.	
SCUFN29/66		Proposal for São Francisco Canyon is ACCEPTED.	
SCUFN29/67		Proposal for Tagore [Spur] is ACCEPTED with the generic term modified to Ridge.	
SCUFN29/68		Proposal for Zélia Gattai Seamount is ACCEPTED.	

Decision/Action	Agenda Item	Details	Deadlines/ Status (Dec. 2016)
	4.11	From Dominican Republic, ANAMAR	
SCUFN29/69		Proposal for Doña Idelisa Passage is kept as PENDING. Walter to liaise with the proposer to provide justification on the specific term and information on the track lines. Then, information to be reviewed by SCUFN Members by correspondence.	
SCUFN29/70		Proposal for Las Jorobadas Passage is kept as PENDING. Walter to liaise with the proposer to provide information about track lines. Then, information to be reviewed by SCUFN Members by correspondence.	
SCUFN29/71		Walter to provide the Sec. with an updated and consolidated version of B-6 in English/Spanish to address the fact that proposal forms have to be submitted in English (as indicated in the B-6 English/French version)	
	4.12	From Japan, JHOD/JCUFN	
SCUFN29/72		Proposal for Hateruma Basin is ACCEPTED with a modified polygon to be provided to the Sec by the proposer .	
SCUFN29/73		Proposal for Hateruma Ridge is ACCEPTED with a modified polygon to be provided to the Sec by the proposer . Remark: also named as Yaeyama Ridge in other publications.	
SCUFN29/74		Proposal for Tomori Seamount is ACCEPTED	
SCUFN29/75		Proposal for Nakanougan Hill is ACCEPTED with a modified polygon to be provided to the Sec by the proposer .	
SCUFN29/76		Proposal for Minami-Hateruma Seamount is ACCEPTED	
SCUFN29/77		Proposal for Shiraho Seamount is ACCEPTED	
SCUFN29/78		Proposal for Shimoji Seamount is ACCEPTED	
SCUFN29/79		Proposal for Minami-Shimoji Seamount is ACCEPTED	
SCUFN29/80		Proposal for Taketomi Seamount is ACCEPTED with the polygon to be reduced in the northeast portion	
SCUFN29/81		Proposal for Aragusuku Seamount is ACCEPTED	
SCUFN29/82		Proposal for Nakama Seamount is ACCEPTED	
SCUFN29/83		Proposal for Miyara [Hill] is ACCEPTED with the generic term modified to Seamount and the dimension to be corrected	
SCUFN29/84		Proposal for Kurima [Hill] is ACCEPTED with the generic term modified to Seamount, the polygon to be extended to the North and the relief determination to be adapted to 6000 m. Remark section: add “multiple peaks”.	
SCUFN29/85		Proposal for Oki-Sakishima Ridge is ACCEPTED	

Decision/Action	Agenda Item	Details	Deadlines/Status (Dec. 2016)
SCUFN29/86		Proposal for Nozaki Seamount is ACCEPTED	
SCUFN29/87		Proposal for Asano Seamount is ACCEPTED	
SCUFN29/88		Proposal for Kanaya Seamount is ACCEPTED, with the text "Reason for choice" section to be modified in the Gazetteer (Dr. Taro Kanaya instead of...).	
SCUFN29/89		Proposal for Oda Seamount is ACCEPTED	
SCUFN29/90		Proposal for Matoba Seamount is ACCEPTED	
SCUFN29/91		Proposal for Hattori Seamount is ACCEPTED	
SCUFN29/92		Proposal for Iwamiya Seamount is ACCEPTED	
SCUFN29/93		Proposal for Imura Seamounts is ACCEPTED with the polygon to be reduced in the northern portion a little bit	
SCUFN29/94		Proposal for Tsunogai Seamount is ACCEPTED with the polygon to be reduced in the western portion a little bit	
	4.13	From Korea, KHOA/KCGN	
SCUFN29/95		Proposal for Cheomseongdae Hill is ACCEPTED	
SCUFN29/96		Proposal for Ssangchotdae Hills is ACCEPTED, with polygon to be modified to include the two features.	
	4.14	From Russian Federation, SSC YMG	
SCUFN29/97		Proposal for Melnikov [Seamount] is ACCEPTED with the generic term modified to Seamounts.	
	4.15	From China, CCUFN	
SCUFN29/98		Proposal for Weipi Knoll is ACCEPTED, with a corrected shp file (location of the summit) to be provided to the Sec.	
SCUFN29/99		Proposal for Zhenghe Ridge is ACCEPTED	
SCUFN29/100		Proposal for Wangbo Knoll is ACCEPTED	
SCUFN29/101		Proposal for Yangjiong Hill is ACCEPTED	
SCUFN29/102		Proposal for Luzhaolin Knoll is ACCEPTED	
SCUFN29/103		Proposal for Luobinwang Knoll is ACCEPTED	
SCUFN29/104		Proposal for Hudie Seamount is ACCEPTED	
SCUFN29/105		Proposal for Baihe Guyot is ACCEPTED	
SCUFN29/106		Proposal for Fenshou Guyot is ACCEPTED	
SCUFN29/107		Proposal for Baihua Hill is ACCEPTED	
SCUFN29/108		Proposal for Yipu Hill is ACCEPTED	
SCUFN29/109		Proposal for Yuqing Seamount is ACCEPTED, with the polygon to be cut in the SW	
SCUFN29/110		Proposal for Liezu Seamount is ACCEPTED	

Decision/Action	Agenda Item	Details	Deadlines/ Status (Dec. 2016)
SCUFN29/111		Proposal for Wanwu [Seamount] is ACCEPTED, with the generic term modified as a Ridge and the polygon to be limited to the NE portion of the feature. Eventually, a new name is to be proposed for the SW portion of the original feature.	
SCUFN29/112		Proposal for Chukochen Fracture Zone is kept as PENDING (Note that the Chukochen Fracture Zone <u>Province</u> submitted in 2015, which is PENDING, in the Gazetteer is to be deleted)	
SCUFN29/113		Proposal for Junhui Seamount is kept as PENDING, more data to be provided in the geological vicinity of the feature	
SCUFN29/114		Proposal for Cuiqiao [Seamount] is ACCEPTED with the generic term modified to Hill and the polygon to be reduced	
SCUFN29/115		Proposal for Jujiu [Seamount] is ACCEPTED with the generic term modified to Seamounts and the polygon to be modified for embracing all the features	
SCUFN29/116		POSTPONED: Proposal for Mingyue Seamount	
SCUFN29/117		<p>SCUFN Members agreed to put on hold the examination of the proposals received for SCUFN29 to address the concerns raised by SCUFN Members related to the improvement and the consolidation of UFN procedures so coastal States who do not participate in SCUFN meetings are aware that undersea features proposals have been made within their possible areas of interests and are being reviewed by SCUFN.</p> <p>SCUFN Chair to seek guidance on the way forward from the GEBCO Guiding Committee (GGC) on this issue.</p> <p>SCUFN Chair to recommend the GGC that from SCUFN-30, SCUFN will apply SCUFN ROP Art. 2.10 on case-by-case basis.</p>	
SCUFN29/118		POSTPONED: Proposal for Qiangde Seamount	
SCUFN29/119		POSTPONED: Proposal for Sata Seamount	
SCUFN29/120		Proposal for Jiali Seamount is NOT ACCEPTED	
SCUFN29/121		Proposal for Jiayang Seamount is NOT ACCEPTED	
SCUFN29/122		Proposal for Nanhua Seamount is NOT ACCEPTED	
SCUFN29/123		Proposal for Pingfeng Ridge is NOT ACCEPTED	
SCUFN29/124		Proposal for Qilai Seamount is NOT ACCEPTED	
SCUFN29/125		Proposal for Taguan Seamount is NOT ACCEPTED	
SCUFN29/126		Proposal for Xiangyang Seamount is NOT ACCEPTED	
SCUFN29/127		Proposal for Yize Seamount is NOT ACCEPTED	

Decision/Action	Agenda Item	Details	Deadlines/ Status (Dec. 2016)
SCUFN29/128		POSTPONED: Proposals from name#30 - Penxi Ridge – to name#50 - Zhongnan Seamount – except name#49 - Yinqing Seamount -) (Doc. SCUFN29-04.15A Rev1 refers).	
SCUFN29/129 (=SCUFN29/59)		Proposals for (Kinabalu Seamount) and Yinqing Seamount (name#49) are kept as PENDING in application of B-6, I. E (conflict of naming to be solved by authorities involved).	
	5	Liaison with Other Geographical Name Bodies	
	5.2	NZGB Undersea Names Committee, New Zealand ACUF, US	
SCUFN29/130		SCUFN Members decided to align with the UNGEGN's principles of accepting on-land "dual" names separated by "/" as a single name when employing this type of specific terms for undersea feature names.	
SCUFN29/131		Names of the NZGB's 2014 List reviewed by the SCUFN fast-track sub-group (names #1 to #38 excepted #6, #18, #34) were ACCEPTED (Doc. SCUFN29-05.2A refers).	
SCUFN29/132		Names of the NZGB's 2014 List reviewed by the SCUFN fast-track sub-group (names #6, #18, #34) were kept as PENDING for further examination of new data already provided by NZGB, by SCUFN through normal procedure (Doc. SCUFN29-05.2A refers).	SCUFN30
SCUFN29/133		Names of the NZGB's 2015 List reviewed by the SCUFN fast-track sub-group (names #1 to #23 excepted #9, #10, #13) were ACCEPTED (Doc. SCUFN29-05.2A refers)	
SCUFN29/134		Names of the NZGB's List 2015 reviewed by the SCUFN fast-track sub-group (names #9, #10, #13) are kept as PENDING for further examination by SCUFN through normal procedure (Doc. SCUFN29-05.2A refers).	SCUFN-30
SCUFN29/135		POSTPONED: Names of the NZGB's 2016 List to be reviewed by the SCUFN fast-track sub-group (Lin, Walter, Yas, Vaughan) (Doc. SCUFN29-05.2A refers)..	By end of Jan. 2017
	5.4	Marine Regions	
SCUFN29/136		Simon Claus to inform SCUFN on Marine Regions policy when conflicts exist for instance, between GEBCO UFN Gazetteer and ACUF UFN database.	
	6	Standardization of Undersea Feature Names: IHO-IOC Publication B-6	
SCUFN29/137		SCUFN Members agreed to put on hold the preparation of the new Edition of B-6, due to the development and experimentation of the fast-track procedure for already-charted existing features (See SCUFN29/20).	

Decision/Action	Agenda Item	Details	Deadlines/Status (Dec. 2016)
SCUFN29/138 (former SCUFN27/81)		All SCUFN Members to provide H-C. Han with high resolution jpg images, well illustrating typical generic terms and/or Han to pick-up the best samples in previous accepted submissions.	Dec. 2016
SCUFN29/139		Despite the existence of scufnsubmission.org and scufnreview.org, SCUFN Members decided, for the time being, not to improve the Proposal Form. Possibility for making a “clarification” to the current Edition of B-6 (to avoid the full approval process of a new Edition) to be considered at SCUFN-30.	
SCUFN29/140		SCUFN Members approved the draft ToRs of the Project Team on UFN that will be submitted by Canada to HSSC-8 in Nov. 2016. Call for membership to be requested by IHO CL , depending on HSSC outcomes.	
	7	Gazetteer of Undersea Feature Names	
	7.1	Maintenance of the on-line interface to GEBCO Gazetteer database	
SCUFN29/141		NOAA/NCEI to provide cost-estimate / level of effort needed to address the wish-list of improvements reported in Doc. SCUFN29-07.1 Rev1.	End of Oct. 2016
SCUFN29/142		SCUFN Chair to report to the GGC on the GEBCO Gazetteer maintenance issues (corrective actions, upgrades, interface with other SCUFN websystems) requesting guidance on the way forward considering that NOAA seems not in a position to accept IHO/IOC funding for instance. Business as usual	Oct. 2016
	7.2	Maintenance of the GEBCO Gazetteer database (including PENDING names)	
SCUFN29/143		Sec. to modify Sala y Gómez Ridge by Sala y Gómez Ridge in the GEBCO Gazetteer (Chilean decree, 1991 and Letter SHOA dated 14 Sep 2016 refer).	
SCUFN29/144		SCUFN Members decided that there is no need to develop a detailed procedure relating to the possibility for SCUFN Members (Privilege Users) of making editorial changes in the GEBCO Gazetteer as the Sec. needs to be kept informed and to approve them anyway.	
SCUFN29/145		Sec. to include in the wish-list of improvements of the GEBCO Gazetteer a requirement for adding the traceability of editorial updates (when + who?) made by SCUFN Members.	
SCUFN29/146		SCUFN Chair/Vice Chair to consider the comments and/or suggestions emphasized in yellow in Annex A of Doc. SCUFN29-07.2A, and to instruct by correspondence Sec. and SCUFN Members on the way forward as appropriate.	

Decision/Action	Agenda Item	Details	Deadlines/Status (Dec. 2016)
SCUFN29/147		SCUFN Chair/Vice-Chair to consider the comments and/or suggestions emphasized in yellow in Annex B of Doc. SCUFN29-07.2B, and to instruct by correspondence Sec. and SCUFN Members on the way forward as appropriate.	
	7.3	Undersea Feature Names located in the territorial sea of a Coastal State and discussion on the role/scope of SCUFN	
SCUFN29/148		SCUFN Members decided to put on hold the development of a general policy related to the systematic inclusion in the GEBCO Gazetteer of <i>UFN located in territorial seas</i> , until the Project Team on S-100 UFN has provided subsequent recommendations: case-by-case basis approach, as the submission remain possible in accordance with B-6.	
	7.4	Micro Undersea Features	
SCUFN29/149		SCUFN Members decided to put on hold the development of a general policy related to the systematic inclusion in the GEBCO Gazetteer of <i>micro UFN</i> : case-by-case basis approach.	
	8	Any other business	
SCUFN29/150		Considering the requirements that raised at SCUFN29 for: <ul style="list-style-type: none"> - moving progressively to an S-100-based UFN data modelling (TORs of the S-100 UFN Project Team refer) - improving the interoperability between existing web-based services and tools (IHO SCUFN webpage, scufnsubmission.org, scufnreview.org, GEBCO Gazetteer on UFN) - maintaining and upgrading the functionalities of the GEBCO Gazetteer (upstream/downstream services), SCUFN Members accepted the offer made by KHOA/KIGAM to investigate the possibility of prototyping a new UFN database and associated web-services under the management of the S-100 UFN Project Team (progress report expected at SCUFN-30).	
	9	SCUFN Programme of Work – Review of the draft List of Decisions and Actions	
SCUFN29/151		Periodic status report on this list of decisions and actions, to be requested/distributed by the Secretary on 30 Dec. 2016, 30 March 2017, and 30 June 2017.	
	10	Dates and Venues for the Next Meetings	
SCUFN29/152		Roberta to confirm to Sec., the offer for hosting SCUFN-30, 2-6 Oct. / altern. dates: 9-13 Oct. 2017 at the IIM, Genoa, Italy	By the end of Sep. 2016

Decision/Action	Agenda Item	Details	Deadlines/ Status (Dec. 2016)
SCUFN29/153		Felipe to confirm to Sec. the possibility of hosting SCUFN-31 in Valparaiso, Chile in 2018 (possible back-up plans to be confirmed by Sec.: Schmitt Ocean Institute, Palo Alto, California, USA or China).	SCUFN-30

LIST OF ACRONYMS USED IN THIS REPORT

ACUF	Advisory Committee on Undersea Features (to the US BGN)
AWI	Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung (Germany)
B-6	IHO-IOC Publication “Standardization of Undersea Feature Names”
BGN	Board on Geographical Names (USA)
CCUFN	Sub Committee on Undersea Feature Names of China Committee on Geographical Names
DCDB	Data Centre for Digital Bathymetry (IHO)
DHN	Diretoria de Hidrografia e Navegação (Brazil)
EEZ	Exclusive Economic Zone
EWU	Ewha Womans University (Rep. of Korea)
FMI	Flanders Marine Institute (Belgium)
GEBCO	General Bathymetric Chart of the Oceans (IOC/IHO)
GGC	GEBCO Guiding Committee
GINRAS	Geological Institute of the Russian Academy of Sciences
GIS	Geographic Information System
GNS Sciences	Institute of Geological & Nuclear Sciences (New Zealand)
GST	Geodatastyrelsen (Danish Geodata Agency)
HDWG	Hydrographic Dictionary Working Group (IHO)
HO	Hydrographic Office
IBCAO	International Bathymetric Chart of the Arctic Ocean
IBCSO	International Bathymetric Chart of the Southern Ocean
IHB	International Hydrographic Bureau (IHO)
IHO	International Hydrographic Organization
INOCAR	Instituto Oceanografico de la Armada (Ecuador)
INT	INTernational (Charts – IHO)
IOC	Intergovernmental Oceanographic Commission (of UNESCO)
IRCC	Inter-Regional Coordination Committee (IHO)
JCUFN	Japanese Committee on Undersea Feature Names
JGR	Journal of Geophysical Research
JHA	Japan Hydrographic Association
JHOD	Japan Hydrographic and Oceanographic Department
KCGN	Korea Committee on Geographical Names
KHOA	Korean Hydrographic and Oceanographic Administration

KIGAM	Korea Institute of Geoscience & Mineral Resources
MEDRF	Ministry of Economic Development of the Russian Federation
NCSGN	National Committee for Standardization of Geographical Names (China)
NCEI	National Center for Environmental Information (USA)
NMDIS	National Marine Data & Information Service (China)
NOAA	National Oceanic and Atmospheric Administration (USA)
NPI	Norwegian Polar Institute
NZGB	New Zealand Geographic Board
OBS	Oceanic Bathymetry Series
ROSREESTR	Federal Agency for State Registration, Cadastre and Cartography (Russia)
S-32	IHO Publication "Hydrographic Dictionary"
SCUFN	Sub-Committee on Undersea Feature Names (of GEBICO)
SHN	Servicio de Hidrografía Naval (Argentina)
SHOA	Servicio Hidrográfico y Oceanográfico de la Armada (Chile)
SHOM	Service hydrographique et océanographique de la marine (France)
SIO	Second Institute of Oceanography (China)
SSC YMG	State Scientific Centre YUZHMOREGEOLOGIYA
UNCSGN	United Nations Conference on the Standardization of Geographical Names
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNGEGN	United Nations Group of Experts on Geographical Names
WGS84	World Geodetic System 1984
YANDEX	State Central Scientific and Research Institute of Geodesy, Air Survey and Cartography (Russia)

Annex D to SCUFN-29 Report

**ALPHABETIC INDEX OF UNDERSEA FEATURE NAMES CONSIDERED AT
SCUFN-29 OR REFERRED TO IN THIS REPORT**

Note:

- Names in **bold characters** = ‘accepted/adopted at SCUFN-29’
- Names in *italics* = ‘pending from SCUFN-28’ or from earlier meetings
- Names ~~crossed-out~~ = ‘removed from the GEBCO Gazetteer’

Name	Name
Andes Knolls	<i>McVay Seamount</i>
Araara Seamount	Melnikov Seamounts
Aragusuku Seamount	Minami-Hateruma Seamount
Artimon Bank	Minami-Shimoji Seamount
Asano Seamount	Miyara Seamount
Auckland Islands Shelf	Moeraki Canyon
Axial Seamount	Mokohinau Canyon
Baihe Guyot	Monowai Seamounts
Baihua Hill	Monowai Spur
Bentes Seamount	Murimotu Seavalleys
Betty Guyot	<i>Mustapha Hill</i>
Bode Verde Seamounts	Nain Bank
Bollons Gap	Nakama Seamount
Bounty Ridge	Nakanougan Hill
Bream Knolls	<i>Nanhua Seamount</i>
Brothers Seamount	Ngātoroirangi Seamount
Broughton Gap	Nozaki Seamount
Cagou Trough	NW Rota-1 Seamount
Calyptogena Bank	Oda Seamount
Campbell Channel	Ōhena Knoll
Campbell Island / Motu Ihupuku Shelf	Okak Bank
Cavalli Valleys	Oki-Sakishima Ridge
Cheomseongdae Hill	Oliver Knoll
<i>Chereskin Seamount</i>	Papamoa Knoll
Christable Seamount	Pará Hill
<i>Chukochen Fracture Zone</i>	<i>Paritū Trough</i>
<i>Chukochen Fracture Zone Province</i>	<i>Pingfeng Ridge</i>
<i>Cole Seamount</i>	Ptolémée Seamount
Colosseum Guyot	Pūkākī Canyon
Cook Channel	Pūkākī Saddle
Cotton Seamount	<i>Pukekura Canyon</i>
<i>Courrejolles Slope</i>	Puketuroto / Hoopers Canyon
Cuiqiao Hill	Puketuroto / Hoopers Channel
Dolphin Spur	Purerua Seamount
<i>Doña Idelisa Passage</i>	Pūtoto Seamount
Downing Basin	<i>Qilai Seamount</i>
Emerald Bank	Rakahore Seamount
Engineer Ridge	Rapuhia Seamount
Fenshou Guyot	Rose-Marie Thompson Seamount
Ffynnon Garw Hill	Rumble II East Seamount
Foulwind Canyon	Rumble II West Seamount

Gamble Seamount	Rumble IV Seamount
Giggenbach Seamount	Rumble V Seamount
<i>Graveyard Knolls</i>	Sabah Trough
Green Bank	Saglek Bank
Hamilton Bank	São Francisco Canyon
Hateruma Basin	Saunders Canyon
Hateruma Ridge (or Yaeyama Ridge)	Saunders Channel
Hattori Seamount	Shimoji Seamount
Haungaroa Seamount	Shiraho Seamount
Hauraki Canyon	Silent II Seamount
Havre Seamount	Sonne Seamount
<i>Herekino Bank</i>	Speight Knoll
Hikunui Seavalley	Ssangchotdae Hills
Hinepuia Seamounts	Tagore Ridge
Hinetāpeka Seamount	Taguan Seamount
Hokianga Terrace	Taieri Canyon
Hudie Seamount	Taieri Channel
Imura Seamounts	Taitimu / Caswell Ridge
<i>Indy Maru Seamount</i>	Taketomi Seamount
<i>Iselin Seamount</i>	Tangaroa Seamount
Iwamiya Seamount	Te Motu-o-Kura Ridge
James Healy Seamount	Te Motu-o-Kura Trough
Jiali Seamount	Tell Qarqur Knoll
Jiayang Seamount	Tomori Seamount
Jorge Amado Seamount	Tsunogai Seamount
Jujiu Seamounts	Tuaheni Bank
<i>Junhui Seamount</i>	Tuakana Knoll
Kaipara Canyon	Venda Seamount
Kaipara Channel	Waiatoto Channel
Kanaya Seamount	Waioeka Knoll
Kapukairo Knoll	Wairaka Ridge
Kibblewhite Seamount	Waitaki Canyon
<i>Kinabalu Seamount</i>	Waitaki Channel
Knights Seavalley	Wangbo Knoll
Knights Terrace	Wanwu Ridge
Koutunui Bank	Weipi Knoll
Kuiwai Seamount	Whale Bank
Kupe Abyssal Plain	Woolfall Bank
Kurima Seamount	Wright Seamounts
LaHave Bank	Xiangyang Seamount
<i>Las Jorobadas Passage</i>	Yangjiong Hill
Lavaud Sea Valleys	<i>Yinqing Seamount</i>
<i>Layang-Layang Hills</i>	Yipu Hill
Liezu Seamount	Yize Seamount
Lillie Seamount	Yuqing Seamount
Lomrøg Hill	Zélia Gattai Seamount
Luobinwang Knoll	Zhenghe Ridge
Luzhaolin Knoll	
Madden Channel	
Makkovik Bank	
<i>Mammerieckx Microplate Channel</i>	
Matoba Seamount	
Mayor Channel	
McDougall Trough	