

Report by the Chairman of the GEBCO
Sub-Committee on Undersea Feature
Names (SCUFN)

Dr. Hans Werner Schenke

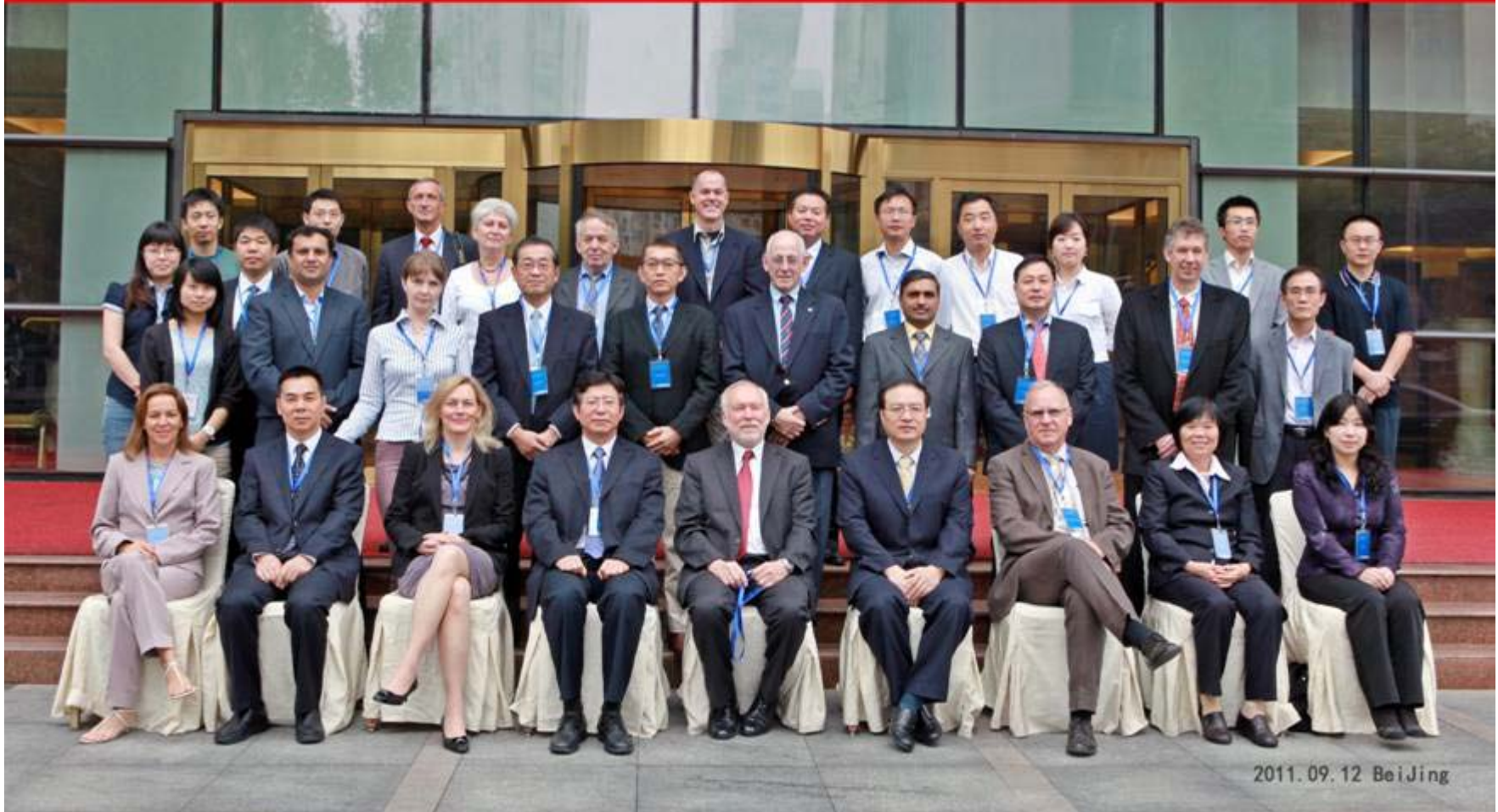


Report given at the 28th GEBCO Guiding Committee meeting
Held at Scripps Institution of Oceanography, La Jolla, California, USA
7th October 2011

SCUFN XXIV-Report to GEBCO GC XXVIII

- Report by the Chairman of the GEBCO Sub-Committee on Undersea Feature Names (SCUFN)
- The 24th Meeting of SCUFN took place from **Monday 12th to Friday 16th September 2011** at the China People's Palace in Beijing, China.
- Formalities
 - Invitation by the Secretary and the Chairman in due time
 - Agenda and list of documents
 - http://www.iho-ohi.net/mtg_docs/com_wg/SCUFN/SCUFN23/SCUFN23Docs.htm
 - Membership ->

TWENTY FOURTH MEETING OF THE GEBCO SUB-COMMITTEE
ON UNDERSEA FEATURE NAMES (SCUFN)



SCUFN-XXIV in Beijing

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SCUFN XXIV-Report to GEBCO GC XXVIII -2010-

Dr. Hans Werner SCHENKE, DE (Chair)	IOC	<input checked="" type="checkbox"/>
Ms. Lisa A. TAYLOR, USA (Vice-Chair)	IHO	<input checked="" type="checkbox"/>
Cdr. Harvinder AVTAR, India	IHO	
Cpt. Ana Angelica ALBERONI, Brazil	IHO	<input checked="" type="checkbox"/>
Dr. Yasuhiko OHARA, Japan	IHO	<input checked="" type="checkbox"/>
Lic. Walter REYNOSO Peralta, Argentina	IHO	<input checked="" type="checkbox"/>
Cdr. Muhammad BASHIR, Pakistan	IHO	<input checked="" type="checkbox"/>
Dr. Vaughan STAGPOOLE, New Zealand	IOC	<input checked="" type="checkbox"/>
Lic. José Luis FRIAS Salazar, Mexico	IOC	
Dr. Hyun-Chul Han, Rep. of Korea	IOC	<input checked="" type="checkbox"/>
Mr. Norman Z. CHERKIS, USA	IOC	
Dr. Ksenia DOBROLYOBOVA, Russia	IOC	<input checked="" type="checkbox"/>
Ing. en Chef Michel HUET, IHB	Secretary	<input checked="" type="checkbox"/>

9 members out of 12 participated

Hans Werner Schenke

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Dr. Hans Werner SCHENKE, DE (Chair)	IOC	<input checked="" type="checkbox"/>
Ms. Lisa A. TAYLOR, USA (Vice-Chair)	IHO	<input checked="" type="checkbox"/>
Cdr. Harvinder AVTAR, India	IHO	
Cpt. Ana Angelica ALBERONI, Brazil	IHO	<input checked="" type="checkbox"/>
Dr. Yasuhiko OHARA, Japan	IHO	<input checked="" type="checkbox"/>
Lic. Walter REYNOSO Peralta, Argentina	IHO	
Cdr. Muhammad BASHIR, Pakistan	IHO	<input checked="" type="checkbox"/>
Dr. Vaughan STAGPOOLE, New Zealand	IOC	<input checked="" type="checkbox"/>
Prof. Shoahua Lin, China	IOC	<input checked="" type="checkbox"/>
Dr. Hyun-Chul Han, Rep. of Korea	IOC	<input checked="" type="checkbox"/>
Mr. Norman Z. CHERKIS, USA	IOC	<input checked="" type="checkbox"/>
Dr. Ksenia DOBROLYOBOVA, Russia	IOC	<input checked="" type="checkbox"/>
Ing. en Chef Michel HUET, IHB	Secretary	<input checked="" type="checkbox"/>

10 members out of 12 participated

Hans Werner Schenke

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Dr. Hans Werner SCHENKE, DE (Chair)	IOC	<input checked="" type="checkbox"/>
Ms. Lisa A. TAYLOR, USA (Vice-Chair)	IHO	<input checked="" type="checkbox"/>
Vacant	IHO	
Cpt. Ana Angelica ALBERONI, Brazil	IHO	<input checked="" type="checkbox"/>
Dr. Yasuhiko OHARA, Japan	IHO	<input checked="" type="checkbox"/>
Lic. Walter REYNOSO Peralta, Argentina	IHO	
Cdr. Muhammad BASHIR, Pakistan	IHO	<input checked="" type="checkbox"/>
Dr. Vaughan STAGPOOLE, New Zealand	IOC	<input checked="" type="checkbox"/>
Prof. Shaohua LIN, China	IOC	<input checked="" type="checkbox"/>
Dr. Hyun-Chul Han, Rep. of Korea	IOC	<input checked="" type="checkbox"/>
Mr. Norman Z. CHERKIS, USA	IOC	<input checked="" type="checkbox"/>
Dr. Ksenia DOBROLYOBOVA, Russia	IOC	<input checked="" type="checkbox"/>
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10 members out of 12 participated

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SCUFN Membership: RoP

2.1.3 Members of the Sub-Committee shall be appointed for a five-year period, renewable for one additional five-year term by the corresponding parent organization if so recommended by the Sub-Committee through the GGC. The Sub-Committee Chairperson shall inform the relevant parent organization of any foreseeable vacancy in a timely manner.

2.5 Members are expected to attend every meeting of the Sub-Committee. Sub-Committee **Members who are absent from meetings over two consecutive years will normally be considered to have resigned and new nominations shall be sought from the relevant parent organization.**

Cdr. Harvinder AVTAR, India

IHO

Hans Werner Schenke

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Other participants at SCUFN XXIII

US BGN ACUF Secretary:



Mr. Jimmy Nerantzis, Secretary ACUF, US BGN

IOC Ocean Mapping Program:



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Observers: 12

Dr. Kunio YASHIMA (GGC), Japan

Cdr. Rajesh BARGOTI (India)

Dr GAO Jinyao (China),

Mr JIN Jiye (China),

Mr LIU Lianan (China),

Li SHOUJUN (SOA, China)

Ruan WENBIN (China)

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Mr Chang-sub CHOI (KHQA, Rep. of Korea),
Ms Inyoung PARK (KHQA, Rep. of Korea),

Vladimir P. (Russia)

Mariana MOROVZOVA (Russia)

NN (Russia)

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Agenda

- **Opening and Administrative Arrangements**
- **Approval of Agenda**
- **Matters remaining from Previous Meetings – 70 Action Items**
- **UFN Proposals Submitted during Intersessional Period**
Russia; Korea; Germany; Japan; Brazil; Ecuador; Belgium, and China
- **Liaison with other Geographical Name Bodies (SCUFN, JCUFN, etc)**
- **Standardization of Undersea Feature Names: IHO-IOC Publication B-6**
WG Generic Terms, New Edition 4.1.0
- **Gazetteer of Undersea Feature Names: IHO-IOC Publication B-8**
Web-based Map Interface, and On-line DB
- **Liaison with UN Group of Experts on Geographical Names (UNGEGN)**
- **Any Other Business**
- **Site and Dates for the Next Meeting**

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Remaining action items from
SCUFN XXIV (Beijing, 12-16 Sept. 2010)

Actions from the previous meeting: **70**

during the intersessional period 2010-2011
by SCUFN members:

completed: **51**

pending: **19**

Precisely: permanent tasks or actions

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- **UFN Proposals Submitted during Intersessional Period**

*Ecuador, Germany, Belgium, Brazil,
China, Russia, Japan, Korea*

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• UFN Proposals

- **ACCEPTED**
- **ADOPTED**
- **NOT ACCEPTED**
- **PENDING**

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PROPOSALS BY INSTITUTO OCEANOGRAFICO DE
LA ARMADA (INOCAR), ECUADOR 9

FLAMINGO SEAMOUNT **pending**
provided complete proposal form

GALERA SEAMOUNT **pending**

AROMO HILL **accepted**

AMADEUS SEAMOUNT **accepted**

INOCAR SEAMOUNT **accepted**

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PROPOSALS BY INSTITUTO OCEANOGRAFICO DE
LA ARMADA (INOCAR), ECUADOR

LIBERTAD SEAMOUNT **accepted**
provided complete proposal form

MEGAPRINT SEAMOUNT **accepted**
Accepted as MEGAPRINT Knoll

ORION SEAMOUNT **accepted**
Accepted but minor feature

GUAYAS SEAMOUNT **accepted**
complete with bathy evidence

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Proposals submitted by Germany: **11**

DOVE KNOLL	accepted
BONPLAND SEAMOUNT	accepted
EHRENBERG SEAMOUNT	accepted
FORSTER SEAMOUNTS	accepted new polyg.
FORSTER Knoll	accepted new polyg.
HUMBOLDT SEAMOUNT CHAIN	accepted
MAPUCHE RIDGE	accepted new polyg.

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Proposals submitted by Germany:

MAURY SEAMOUNT

accepted

GIERLOFF-EMDEN SEAMOUNT

accepted new polyg.

PAUL MELCHIOR SEAMOUNT

accepted new polyg.

NIEMEGK HILL

accepted

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Proposals submitted by:

BELGIAN AND NETHERLANDS HYDROGRAPHIC

OFFICES: 1

LODEWIJK BANK

accepted

requ. coordinates from proposer

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Proposals submitted by Brazil: **6**

WATU NORTE CANYON

accepted

WATU SUL CANYON

accepted

DOCE CANYON

accepted

RIO GRANDE OESTE PLATEAU

accepted

RIO GRANDE LESTE PLATEAU

accepted

CRUZEIRO DO SUL RIFT

accepted coord.

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Proposals submitted by China: 8

NIAOCHAO HILL	accepted
BAIJU GUYOT	accepted
CIawei GUYOTS	not accepted
TONGGONG SEAMOUNTS	accepted
XUFU GUYOT	accepted
YINGZHOU SEAMOUNT	accepted
FANGZHANG GUYOT	accepted
PENGLAI SEAMOUNT	accepted

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Proposals submitted by Russia: **12**

DANIL'CHUK SEAMOUNT	accepted
KOROTAEV SEAMOUNT	accepted
EVRIKA SEAMOUNT	pending
ALTAIR GUYOT	accepted
ARGUS GUYOT	accepted
MUKSUN SEAMOUNT	pending (Guyot)
ANIKEEVA KNOLL	accepted

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Proposals submitted by Russia :

ISSLEDOVATEL HILL	accepted
GOLOVNIN SEAMOUNT	accepted
KAMCHATKA KNOLL	accepted
FEODOSIYA KNOLL	accepted
KRETOV KNOLL	accepted

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Proposals submitted by Japan (JCUFN): 39

SHINKAI DEEP	accepted
TAMAKI SEAMOUNT	accepted
JAPANESE GUYOTS	(final polygon)
VAUGHAN GUYOTS	accepted
URAHARA SEAMOUNT	accepted
OKI-DAITO RISE	accepted
OKI-DAITO PLATEAU	accepted
OKI-DAITO Ridge	accepted

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Proposals submitted by Japan (JCUFN):

OGASAWARA RISE

accepted

MICHELSON RIDGE

accepted

OGASAWARA PLATEAU

pending new coord

SMOOT GUYOT

accepted

CASTOR GUYOT

accepted

POLLUX GUYOT

accepted

RAICHO FRACTURE ZONE

accepted

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Proposals submitted by Japan (JCUFN):

TANCHO FRACTURE ZONE **accepted**

TOKI FRACTURE ZONE **accepted**

PARECE VELA RIFT **accepted**

**PARECE VELA RIFT
FRACTURE ZONE PROVINCE** **accepted**

PARECE VELA BASIN **accepted**

for WEST MARIANA BASIN in B-8

PARECE VELA RIDGE **accepted**

for WEST MARIANA RIDGE in B-8

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Proposals submitted by Japan (JCUFN):

OKI-DAITO TERRACE	remove from B-8
TENNOSEI KNOLL	withdrawn
HANGETSU TROUGH	remove from B-8
HANGETSU SEAMOUNT	remove from B-8
SOTSUJU SEAMOUNT	confirmed
SANJU SEAMOUNT	confirmed
YORO HOLE	accepted
ISEN HOLE	accepted
SAKIBARU HOLE	accepted

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SCUFN XXIV-Report to GEBCO GC XXVIII

Proposals submitted by Japan (JCUFN):

KOHO RIDGE

accepted

KOHO HOLE

accepted

SUSAMI SEAMOUNT

accepted

SHINGETSU HOLE

remove from B-8

KIKAI SEAMOUNT CHAIN

accepted

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SCUFN XXIV-Report to GEBCO GC XXVIII

Proposals submitted by Japan (JCUFN):

SHITO-OKE SEAMOUNT	accepted
ONOTSU SEAMOUNT	accepted
SOMACHI SEAMOUNT	accepted
URAHARA SEAMOUNT	accepted
KIKAI SEAMOUNT CHAIN	accepted

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Proposals submitted by Korea: 6

GANGNEUNG CANYON	accepted
DONGHAE SEACHANNEL	accepted
GUNGPA HILLS	accepted
GUNGBOK HILLS	accepted
SONGPYEON RIDGE	pending
SSANGDUNGI HILLS	accepted

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• Summary:

- 92 undersea feature name proposals were considered/discussed, plus others
- 6 proposals are pending
- 1 was not accepted
- 81 proposals were finally discussed and accepted
- 4 removed from B-8

SCUFN XXIV-Report to GEBCO GC XXVIII

- **STANDARDIZATION OF UNDERSEA FEATURE NAMES: IHO-IOC PUBLICATION B-6**
 - **Publication B-6** New Edition Vers. 4.1.0
 - **additional languages (new English – Chinese Version)**
 - **→ WG on Definition of Generic Terms**
Taylor, Alberoni, Han, Ohara, Stagpoole, Cherkis
 - **(WG) Introduction of new definitions and exemplary graphics of UF**
 - **SCUFN requests approval of the new definitions**
 - **→ Graphics Group of SCUFN**
Stagpoole, Ohara, Han, Alberoni

SCUFN XXIV-Report to GEBCO GC XXVIII

- **STANDARDIZATION OF UNDERSEA FEATURE NAMES: IHO-IOC PUBLICATION B-6**
 - **All editorial inconsistencies are removed**
 - **additional language (English - Chinese) submitted to IHB!**

SCUFN22-05.1A Draft new edition of B-6 (English-French)

SCUFN22-05.1B Draft new edition of B-6 (English-Japanese)

SCUFN22-05.1C Draft new edition of B-6 (English-Spanish)

SCUFN22-05.1D Draft new edition of B-6 (English-Russian)

SCUFN22-05.1E Draft new edition of B-6 (English-Korean)

SCUFN22-05.1F Draft new edition of B-6 (English-Chinese)

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- **STANDARDIZATION OF UNDERSEA FEATURE NAMES: IHO-IOC PUBLICATION B-6**

SCUFN requests approval from the GGC to include the three generic terms Sand Ridge, Salt Dome and Mound(s).

SAND RIDGE –

A ridge of unconsolidated sediment of limited vertical relief and sometimes crescent shaped. Commonly found in a PROVINCE of similar features.

MOUND(S) –

A distinct elevation with a rounded profile generally less than 500m above the surrounding relief as measured from the deepest isobath that surrounds most of the feature.

SALT DOME –

A distinct elevation, often with a rounded profile, 1 or more km in diameter that is the geomorphologic expression of a diapir formed by vertical intrusion of salt. Commonly found in a province of similar features.

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SCUFN XXIV-Report to GEBCO GC XXVIII

- STANDARDIZATION OF UNDERSEA FEATURE NAMES: IHO-IOC PUBLICATION B-6

- **Publication B-6** New Edition Vers. 4.1.0

- **→ WG on Definition of Generic Terms**

- Taylor, Alberoni, Han, Ohara, Stagpoole, Cherkis

- **(WG) Introduction of new definitions and exemplary graphics of UF**

- 41** Generic Terms maintained with mod. definition

- 14** Generic Terms „in reserve“

- 3** new Generic Terms

- <http://scufnterm.org>

- **SCUFN requests approval of the new definitions**

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- **GAZETTEER OF UNDERSEA FEATURE NAMES
IHO-IOC PUBLICATION B-8**
 - **Continued updating of the GEBCO Gazetteer**
 - **Review Reserve Section**
 - **Web-based Map Interface and On-line Name Proposal Form**
 - **Support for preparation of a name proposal**

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- **GAZETTEER OF UNDERSEA FEATURE NAMES**
IHO-IOC PUBLICATION B-8
– **Review Reserve Section**

43 Features in B-8 Reserve Section

18 Features remain in Reserve Section

25 Feature names deleted or moved into B-8

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Gazetteer -> Geospatially Enabled Database

Available in GIS friendly formats

- Shapefiles

- Keyhole Markup Language (Google Earth)

- Web Feature Services

Enhanced management capability

Easy real-time updates

On-line definition of geometry and extent

Easy to use for on-line name proposal

Geometry of feature defined, where data permit

Ongoing process

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SCUFN XXIV-Report to GEBCO GC XXVIII

- **GAZETTEER OF UNDERSEA FEATURE NAMES**
IHO-IOC PUBLICATION B-8
 - **Web-based Map Interface and On-line Name Proposal Form**
 - **Support for preparation of a name proposal**

It was noted that there is need to complete the work: **increasing demand**
-> student or contract employee to work at NGDC for an estimated
6 months to complete the project

Proposal to GEBCO GC for **funds** to **complete the web-based map**
interface and on-line database for the GEBCO gazetteer

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Liaison with ACUF

US Board on Geographical Names

Harmonization of GEBCO and ACUF Gazetteers

Thanks to ACUF for enforcing their rules, in order to harmonize the work and products of the two committees

Liaison with the UN Group of Experts on Geographical Names (UNGEGN)

The sub-committee did not have sufficient time
to review the documents

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Other Business:

- The sub-committee practiced during the intersessional period 2010/11 successfully working on the Gazetteer reserve section
- It was again expressed that proposals which are to be considered at SCUFN meetings must be submitted
 - 30 days before meetings in digital form
 - 60 days before meetings in analog form
- That future SCUFN Meeting will need 5 days
- → Meeting separate from other GEBCO SC's (and GGC)

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Next Meeting:

New Zealand has officially confirmed to host the next meeting in 2012 from 22 to 26 Oct. 2012 in Wellington

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Modified Terms

- Abyssal Plain
- Apron
- Bank
- Basin
- Caldera
- Canyon
- Continental Rise
- Continental Shelf
- Deep
- Escarpment
- Fan
- Fracture zone
- Gap
- Guyot
- Hill
- Hole
- Knoll
- Levee
- Moat
- Passage
- Peak
- Pinnacle
- Plateau
- Province
- Reef

o Generic Term : Canyon

* NOTE: Plural form can be used for groups of closely associated features with the same generic terms.

Original Definition	A relatively narrow, deep depression with steep sides, the bottom of which generally deepens continuously, developed characteristically on some continental SLOPES.
Recommended Definition	An elongated, narrow, steep-sided depression that generally deepens down slope.

o Images (Total 3)

