

## Paper for Consideration by SCUFN

## Report of the work made during the inter-sessional period

## Monitoring the relationships with NCEI and KHOA to maintain and/or improve the Gazetteer

<b>Submitted by:</b>	IHO Secretariat (as SCUFN Secretary)
<b>Executive Summary:</b>	This document reports on the monitoring of relationships with NCEI and KHOA to maintain and/or improve the Gazetteer.
<b>Related Documents:</b>	None
<b>Related Projects:</b>	KHOA SCUFN Operations Web Services (OWS)

## Introduction / Background

1. Following the SCUFN-36 meeting, held in November 2023, considering the limited resources available within its Sub-Committee, the Secretariat of the GEBCO Sub Committee on Undersea Feature Names (SCUFN) decided to contract several tasks in order to improve the content of the IHO-IOC online GEBCO Gazetteer of Undersea Feature Names (the Gazetteer) and support SCUFN activities managed by the IHO Secretariat. The following tasks were contracted to the former SCUFN Secretary.

Tasks	Objectives	Outcome reported in
<b>1</b>	<i>Update the Gazetteer from all undersea feature naming decisions and actions taken at SCUFN-36, ensuring quality control and standardization of the documentation provided as part of the relevant proposals. Prepare a draft report as a submission document to SCUFN-37. Deadline: <b>30 April 2024</b>.</i>	Doc. SCUFN37-07.2B
<b>2</b>	<i>Monitor the list of pending names. Prepare a draft report as a submission document to SCUFN-37. Deadline: <b>30 April 2024</b>.</i>	Doc. SCUFN37-07.2D
<b>3</b>	<i>Monitor the relationships with NCEI and KHOA to maintain and/or improve the Gazetteer, as necessary and/or appropriate. As part of that work, assess the new version 5.0.0 prior to its launching during 2024. Prepare a draft status report as a submission document to SCUFN-37. Deadline: <b>30 April 2024</b>.</i>	Doc. SCUFN37-07.1B
<b>4</b>	<i>Launch, monitor and provide advice on the development by KHOA of the prototype UFN database and SCUFN Operations Web services (OWS), as well as the integration of the SCUFN OWS and the existing GEBCO Gazetteer. This will include testing the integrated system in operational mode for a couple of undersea feature names, also covering the direct online submission procedure. Prepare a draft status report as a submission document to SCUFN-37. Deadline: <b>30 April 2024</b>.</i>	Doc. SCUFN37-07.3B
<b>5</b>	<i>Preload in the Gazetteer tentatively through the SCUFN OWS all undersea feature names from the proposals to be submitted to SCUFN-37, in advance of the meeting. In doing so, quality control and standardization of the documentation</i>	Doc. SCUFN37-04.0A

	<i>provided will be ensured. All preloaded names to be put in Edit mode. Prepare a draft status report as a submission document to SCUFN-37. Deadline: <b>30 April 2024.</b></i>	
<b>6</b>	<i>As a complement to Task 4, monitor the development of the SCUFN OWS Repository and the transfer of the IHO SCUFN Digital Archive, the interface to move proposals (in restricted access mode before SCUFN meetings) to the Repository after SCUFN meetings (open access and links to GEBCO Gazetteer). Prepare a draft status report as a submission document to SCUFN-37. Deadline: <b>30 April 2024.</b></i>	Doc. SCUFN37-07.3C
<b>7</b>	<i>Support to the outgoing Secretary during the hand-over with the incoming Secretary for a couple of training sessions. Deadline: <b>October 2024.</b></i>	

2. The objective of this submission paper is to report on Task 3.

### Analysis/Discussion

3. A new version 4.3.7 of the Gazetteer interface was made available in August 2022 by NOAA’s NCEI<sup>1</sup> Gazetteer Project Team, the responsible body for the maintenance of the Gazetteer. This was the last release of Gazetteer 4 with the intent that releases in the future will be for Gazetteer version 5.0.0 — signifying major updates including changes to the API<sup>2</sup> and a focus on KHOA OWS<sup>3</sup> integration. Indeed, a draft version 5.0.0 was prepared at NCEI in 2023, with participation of the contractor in the testing of the new version which release was initially planned prior SCUFN-36 in November 2023. However, it appeared that several improvements to Gazetteer 5 were still needed, resulting in the postponement of its release. It is now planned that the new version, currently 5.0.4, will be made available after SCUFN-37. The spirit of cooperation and the efficient work of the NCEI Gazetteer Project Team must be highlighted.

4. Conforming to Decision SCUFN36/07.1/02, testing of the Gazetteer v5 (<https://ccog.colorado.edu/gazetteer5/view/home>) led to comments and suggested improvements, as reflected in [Annex A](#). They were to be addressed by the NCEI Gazetteer Project Team during spring 2024.

5. Link with the SCUFN OWS, operated by KHOA, is ensured through the KHOA’s officer posted to the IHO Secretariat. This facilitates the inclusion in the OWS of any new name proposals, or revisions, which have been received at the Secretariat. The latter site contains and presents all submissions addressed to SCUFN. It is used by SCUFN members to review and assess the new name proposals that are to be considered at the next SCUFN meeting, with a view to facilitating meeting decisions.

6. A flowchart detailing all interactions between the various actors involved in the processing of name proposals (Proposer, IHO Secretariat, KHOA OWS, SCUFN members, GEBCO Gazetteer, Public), is recalled at [Annex B](#).

### Recommendation

7. It is recommended that SCUFN Members continue providing support and feedback when needed during development of v5 of the GEBCO Gazetteer and SCUFN Operational Web Services (OWS) integration.

<sup>1</sup> National Center for Environmental Information

<sup>2</sup> Application Programming Interface

<sup>3</sup> SCUFN Operational Web Site

**Justification and Impacts**

8. Maintaining trusting relationships with NCEI and KHOA aims at improving the Gazetteer and the OWS so that they can both best serve their purpose.

**Action required of SCUFN**

9. SCUFN is invited to:
- a. note this report
  - b. consider the recommendation made in section 7.

## Annex A to SCUFN37-07.1B

### Gazetteer V5 Initial Issues To Fix

(CS = Chris Slater – TP = Trent Palmer – MH = Michel Huet)

#### Colour Code :

**Green** = Issues presumably resolved

**Yellow** = Issues requiring further work

#### GAZ5-001

I see that SEARCH is now possible on 'Specific Term', 'Generic Term', 'Proposer', 'Discoverer' and 'Associated Meeting' for the Editor or Administrator (that is, after login), which is good, but also for the average user (no login), which I think is not necessary for the last 3 criteria. (MH)

*MH: Editing mode after login. Search on Assoc. Meeting or Status is fine. However, search on any Proposer results in all feature names selected. Search on any Discoverer results in 0 feature name selected.*

#### GAZ5-002

When initially scrolling on the world map to access to a particular region, I sometimes get an error message saying "An error occurred while rendering. Rendering has stopped." See attached screenshot. The app is then frozen and I have to restart it. May be I went too fast? This is not systematic, however. (MH)

*MH: No longer a problem.*

#### GAZ5-003

Measure tool. I selected the 1st point at 150°E, 25°N. Any 2nd point located North of this position was not accepted. I had to go South. I then chose the position 160°E, 17°N as 1st point and there was no problem with the 2nd point wherever I placed it. However, the problem does not appear systematically. (MH)

*MH: No longer a problem.*

#### GAZ5-004

Display of informations on the left panel. The year of proposal and the year of discovery are not shown, under "Proposed by" and "Discovered by". They should be. (MH)

*MH: Not yet implemented.*

#### GAZ5-005

In the feature workflow, once a dropdown is selected, it cannot be unselected

#### GAZ5-006

Resizing the browser window doesn't update the feature label positions

#### GAZ5-007

There is a regression in the feature export and it no longer works

#### GAZ5-008

A user role edit page needs to be created

#### GAZ5-009

Feature search needs to be performed on search parameter update

GAZ5-010

Pagination needs to be added to feature search results

GAZ5-011

When a form error is returned for a multi-select dropdown, no error message is displayed on that field in the UI

GAZ5-012

Generally need waiting spinners for map updates and API activity

GAZ5-013

Need to support links to other tables in the admin UI, like the old Gaz did

GAZ5-014

Polygon selector needs to be above other things on map (Z increase)

GAZ5-015

Build version needs to be set automatically as part of build (maven variable in classpath file)

GAZ5-016

In feature workflow, proposer and discoverer are cleared on error. (this might be fixed with recent updates)

GAZ5-017

Unable to edit generic term name

*MH: Seems to be working now. I was able to change Smoot Guyot to Smoot Guyots.*

GAZ5-018

Sometimes login does not redirect back to the Gazetteer. I'm not sure if this is a Login.gov prod only issue.

*MH: Seems to be OK now.*

GAZ5-019

I find the fluorescent yellow/green of the feature location points to be jarring, but they are certainly noticeable. (TP)

*CS: This can be changed. We have struggled to find a good color that is highly visible against the background and usable with color-blind users.*

*MH: I am happy with the choice of colours.*

GAZ5-020

Is it possible to have a GDB export option? I don't necessarily need this, but just aware that to hear Esri, .shp is a thing of the past. (TP)

*CS: I will look into this.*

GAZ5-021

What is the difference between 'CLEAR' and 'RESET'? (TP)

*CS: I will have to see where this is in the public UI. In general, these two buttons are used when editing items (features, terms, etc.). "Clear" typically empties all fields. "Reset" is usually used when editing an existing item. This sets the form values back to the currently saved state, removing any pending user changes.*

GAZ5-22

After a feature on the map display has been selected, is there a simple way to deselect? I see that one can select a different feature, but otherwise am unsure of the options to proceed. A 'clear' button might be nice.

*CS: There is not currently a way to deselect a feature. I thought about adding this, but decided not to since you can close the information draw. It sticks in my mind that the current Gazetteer doesn't support this either. I haven't checked though. We can add this feature.*

GAZ5-23

What is the origin of the 'World Boundaries and Places' layer? As the official dissemination is a U.S. Government site, I would advocate for use of the Department of State's international boundaries file, LSIB, and U.S. Board on Geographic Names-approved country names. However, I also understand that this is an IHO/IOC program and there may be a need to use UN names (which currently seems to be what is being used) and a generic boundaries file – perhaps from UNGIS. This brings us back to my observation above about a caveat/disclaimer. This may require a separate discussion. I can send a list of corrections if going the U.S.G. route but will hold on that until a decision is made. (TP)

*CS: These names come from UN maintained map services. The use of these names / services were specifically requested by the IHO/IOC.*

*MH: Ref: Trent's reply of 5 Feb 2024 to Jennifer's e-mail on this matter. Trent suggests adding a disclaimer.*

GAZ5-24

The name of Svalbard doesn't display well in 2D mode, but I am sure that this is something that you are aware of. (TP)

*CS: I haven't looked at this specifically. However, we are aware that a few names do not look the best when trying to follow a linestring that is not smooth. Long term we plan to improve this. I will look into this specific example though.*

GAZ5-25

The name "Eastern China Sea" vice "East China Sea" (correct) appears at some zoom levels. (TP)

*CS: These names come for the UN map services. I have run into similar issues to this and requested that the maintainers update the names. They are usually slow to make any corrections (on the order of years). I will request this fix.*

GAZ5-26

I was unable to adjust the coordinate units slider. (TP)

*MH: Still not working.*

GAZ5-27

Two of the three links worked, but not the IHO link. (TP)

*CS: I will look into these.*

*MH: IHO link still not working.*

GAZ5-28

On 'Polar View' options, the term "Disable" sounds permanent. Perhaps "Revert" or "Cancel" (?) (TP)

*CS: Good suggestion. I will change this.*

*MH: No change for the time being.*

GAZ5-29

Measure Tool: perhaps provide some textual guidance on how to best use. I figured it out the first time, but when initially looking at it, I was unsure of the proper steps. (TP)

*CS: There are plans to add this, but development time and priorities limited this. It will be added.*

# Annex B to SCUFN37-07.1B

## Undersea Feature Names Processing Flowchart

### KHOA OWS - GEBCO Gazetteer v5 Submission Flow

November 1, 2022

