Template for submission to GEUS Bulletin

**MAP DESCRIPTION** – a descriptive text to GEUS map sheets.

Version 1.0, Feb 2022

**Important information about this format:**

* This template can be used to prepare a submission of a **MAP DESCRIPTION** to GEUS Bulletin. \*
* It is not mandatory to use this template to prepare your submission but doing so will help to ensure that your submission is complete.
* Submissions to this format are strictly by prior arrangement with the editorial office.
* This format consists of a descriptive text (written in UK English) to a published geological map produced by the Geological Survey of Denmark and Greenland (GEUS), covering Denmark or Greenland.
* General guidance for preparing and submitting articles to GEUS Bulletin are available in the [*author instructions*](https://geusbulletin.org/index.php/geusb/author-instructions/) and [*publication criteria*](https://geusbulletin.org/index.php/geusb/author-instructions/formats-pub-criteria), which we recommend authors read before completing this template. There are some important exceptions to these general guidelines, which are described in this template.
* As part of your submission, you must provide a DOI link to a digital copy of the map sheet. We also encourage authors to submit supporting data, georeferenced localities and figures as supplementary files alongside the manuscript. Read more in the[*author instructions*](https://geusbulletin.org/index.php/geusb/author-instructions/initial-sub#data) and [*data sharing and reproducibility policy*](https://geusbulletin.org/index.php/geusb/ethics/data). Instructions are provided at the end of this template.
* For pre-submission enquiries, please contact the editorial office at [*enquiries@geusbulletin.org*](mailto:enquiries@geusbulletin.org) or contact one of our [*map editors*](https://geusbulletin.org/index.php/geusb/about/editorialTeam). For questions about preparing display items (figures/tables) contact [*graphics@geusbulletin.org*](mailto:graphics@geusbulletin.org).
* An example **MAP DESCRIPTION** format can be read [*here*](mailto:https://doi.org/10.34194/geusm.v8.4526).

*\* Descriptions of other maps (special sheets or maps not produced by GEUS), may be submitted under the DATA ARTICLE | SHORT or RESEARCH ARTICLE formats. See our* [*author guidelines*](mailto:https://geusbulletin.org/index.php/geusb/author-instructions/) *for more information.*

**Please delete the dotted line and all text above before submitting your article.**

**Instructions are provided in the following template. Please read the instructions carefully and delete all instructions (*text in italics*) before submitting your article.**

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**MAP DESCRIPTION title page**

*Please complete all fields of this table.*

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| --- | --- |
| **Article title** | *Provide the title here in the following format: “Descriptive text to the geological map of Greenland/Denmark, [insert scale], [insert map name and sheet].”* |
| **Authorship list** | *List all authors. One author per line. Numbered.*  *Mark the corresponding author with \*.* |
| **Affiliations** | *One per line. Numbers correspond to authorship list.* |
| **Corresponding author email** |  |
| **Keywords** | *Five keywords or short phrases. One should be “geological mapping”. Focus on the key methods or parameters used in the study. Avoid repetition from the title.* |
| **Abstract** | *Min. 200 words and max. 500 words. Summarise the area of interest and nature of the fieldwork carried out. Describe the main features included in the map sheet. Highlight any previous map sheets upon which the current map is based. Describe any revisions or newly mapped areas/geology and resources mapped. An effective abstract avoids subject-specific terminology, but where necessary such terms should be defined.* |

**Contents**

*Please provide a contents list here, containing all headings and sub-headings.*

Main text

*The manuscript text is provided here.*

*A typical map description is around 30–40 pages of typeset manuscript, containing up to 25 display items (figures/tables). While there are no strict limits on the number of words, figures or tables, manuscripts should be well structured and written concisely.*

*Please prepare figures and tables to the size intended for publication. Provide the captions at the end of the manuscript. See “Figures and Tables” for further instructions.*

*Use numbered headings. After the title, we can accommodate up to four levels of sub-headings, as follows:*

1. Sub-heading 1

1.1. Sub-heading 2

1.1.1. Sub-heading 3

1.1.1.1. Sub-heading 4

*We recommend structuring the manuscript under the following sub-headings. You may include additional sub-headings as needed.*

1. Introduction

*The introduction should describe the extent of the mapped area and state any and all previous maps covering the area. Describe the rationale for updating the map. This section should include a figure showing the regional context of the map, with simplified geology and an inset map showing the geographical coverage within Denmark or Greenland.*

*The introduction should be written such that a reader from any geoscience field might understand. An effective introduction avoids subject-specific terminology, but where necessary such terms should be defined upon first use.*

2. Geological setting and previous interpretations

*This section expands upon the introduction or could be included as a sub-section of the introduction. Describe the geological setting of the mapped area and any immediate surroundings that are relevant. Summarise previous interpretations from previously published maps or studies of the region.*

3. Data and methods

*Describe all methods used in the field and laboratory. This should be detailed enough for a suitably qualified person to replicate the field or laboratory methods. Describe any experimental setup, including instrumentation make and model, all materials/chemicals and software used. Provide full citations for any secondary (previously published) data used in creating the map.*

*This section should include a figure showing the data coverage. E.g. indicating field camp sites, sample localities, field measurements, flight paths, areas mapped by remote sensing, areas adapted from other works and most importantly, any unmapped areas.*

*Methods should not be simply copied from a published paper, even the authors’ own, and full credit must be given to original sources. Any standard methods that are described elsewhere should be briefly described and include an original citation to where the method is described in full.*

4. Map elements

*In this section you should summarise all the main features of the map upon which the geological mapping is based. This may include place names (i.e. naming conventions/sources), sources of topographic elements, ice margin and structural data (i.e. main faults). This section should illustrate the geological cross-sections of the mapped area, their locations and a short description.*

5. Map units

*This section should describe all the newly mapped units in chronological order (oldest to youngest).*

*Where relevant, include a figure showing the stratigraphical relations contained in the map sheet, which can be considered as an ‘extended legend’ to understand the descriptive text. Include field photos showing key field relations and examples of the map units.*

*Any formal descriptions of new or revised stratigraphical units/formations/members/beds should be arranged under standard sub-headings. These should be non-numbered, run-on (i.e. appear on the same line as the paragraph text), with a full-stop (period) and in italics. E.g. Name and history., History., Type area. Type Locality., Thickness., Lithology., Boundaries., Distribution., Chronostratigraphy., Subdivision., Correlations., Depositional environment etc.*

6. Unresolved geological questions

*Summarise any unresolved questions that remain and ought to be addressed in future mapping projects of the area.*

7. Economic geology

*Summarise the known mineral occurrences (or their absence) in the mapped area. Highlight any occurrences of potential economic interest. Include citations to relevant literature where these occurrences are described.*

Acknowledgements

*You may wish to thank colleagues for their technical, analytical or field assistance and reviewers for their comments. See author guidelines for further information on* [*acknowledgements*](mailto:https://geusbulletin.org/index.php/geusb/author-instructions/initial-sub#manuscript) *and recommendations for* [*authorship and contributions*](https://geusbulletin.org/index.php/geusb/ethics/authorship)*.*

References

*Cite all sources. If using referencing software (e.g. Endnote), we recommend exporting references in APA or Chicago style. You do not need to format references to our journal style, but guidelines are available* [*here*](https://geusbulletin.org/index.php/geusb/author-instructions/initial-sub#references) *should you wish to do so.*

Figures and Tables

*Include a list of figure and table captions at the end of the manuscript.*

*Figures can be provided here, in the manuscript file, or submitted as a separate, single document (PDF is preferred). Label each figure and panel clearly. Label figures sequentially as “Fig. 1; Fig. 2; Fig. 3” etc.*

*Tables can be provided here, in the manuscript file, or submitted as a separate, single document (.doc or .docx is preferred). Label each table clearly and sequentially as “Table 1”, “Table 2” etc. Each table should have a short caption (which appears above the table). Use table footnotes, labelled a, b, c etc or 1, 2, 3 etc, to provide further descriptions and definitions of abbreviations or symbols used.*

*When preparing display items (figures and tables), please follow the* [*author guidelines*](https://geusbulletin.org/index.php/geusb/author-instructions/) *and prepare them to the size and layout intended for publication.* ***For MAP DESCRIPTION submissions, please use Kievit Pro font in all figures.*** *If you do not have this font, then use a common font like Helvetica or Arial as described in the author guidelines.*

*Any special requests for large figures or tables should be discussed with the editorial team before submission. If in doubt, please contact us for pre-submission feedback at* [*graphics@geusbulletin.org*](mailto:graphics@geusbulletin.org)*.*

Additional information

*Please complete all fields of this table.*

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| **Author contributions** | *We recommend using the CRediT (Contributor Roles Taxonomy) listed* [*here*](https://casrai.org/credit/)*. Choose only the roles that apply to each author.* |
| **Competing interests** | *Declare any actual or perceived competing interests. See author guidelines* [*here*](https://geusbulletin.org/index.php/geusb/author-instructions/initial-sub#manuscript) *for example formats.* |
| **Additional files** | ***NOTE: All MAP DESCRIPTION submissions must include a DOI link to the corresponding map sheet(s). Many are hosted in the*** [***GEUS Dataverse***](https://dataverse01.geus.dk/dataverse/geological-data-centre)***.***  *Also, please list any additional supplementary files (e.g. supporting data, figures or descriptions) included in your submission. Make sure you have included a “readme” file along with your supplementary files, containing the names of each file and a short description.*  ***Depending on the size/number of files, you can choose to:***   1. ***submit the supplementary files alongside your manuscript*** 2. ***submit files to the GEUS Bulletin data repository*** 3. ***provide DOI links to the files already hosted in another public repository.***   ***If you wish to submit files to GEUS Bulletin’s data repository, please indicate so here and a member of the editorial team will contact you.*** |