

QUALITY CONTROL OF SEABED MAPS IN MARINE GEOLOGY (NGU)

A wide range of seabed maps are published by the Geological Survey of Norway. These are based on data collected on mapping and research cruises, data obtained from partners and other institutions, and on available published data. The procedures for data collection offshore are described in Bøe et al. (2010), while digitizing scale, details and methods for marine geological interpretation in ArcGIS are described by Lepland (2014).

Geological interpretations are performed by experienced geologists following standardised mapping guidelines. This is an expert-driven process and as such is open to human error. To correct any errors that may have been introduced during the interpretation process, and to minimise the effects of subjectivity arising from mapping by different geologists, all maps go through a scientific and technical quality control by the map quality control committee before they are published.

The map quality control committee is coordinated by the Marine Geology Team Leader. Two geologists are responsible for the scientific quality control, while one GIS technician is responsible for the technical quality control. The current members of the map quality control committee are listed below.

REFERENCES

Bøe, R., Dolan, M., Thorsnes, T., Lepland, A., Olsen, H., Totland, O. & Elvenes, S. 2010: Standard for geological seabed mapping offshore. NGU Report 2010.033, 15 pp.

Lepland, A. 2014: Marine geological interpretations - digitizing scale, details and methods. Guidelines for geological map production in ArcGIS. Internal memorandum.

MEMBERS OF MAP QUALITY CONTROL COMMITTEE 2020-2022

Geologists: Frank Jakobsen, Valerie Bellec

GIS Technician: Aave Lepland

Marine Geology team leader: Reidulv Bøe