



Book Review

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Baldschuhn, R., Binot, F., Fleig, S. & Kockel, F. (compilers) 2001: *Geotektonischer Atlas von Nordwest-Deutschland und dem deutschen Nordsee-Sektor*. Geologisches Jahrbuch A153, 88 pages and 3 CD-ROMs. By commission: E.Schweizerbart'sche Verlagsbuchhandlung (Nägele u. Obermiller), Johannesstraße 3 A, D-70176 Stuttgart. <https://doi.org/10.37570/bgsd-2003-49-16>

Tectonic atlas of Northwest Germany and the German North Sea sector

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This atlas consists of a booklet written in German with full English translation. All maps, cross-sections, tables, charts, supplementary texts, and references are contained on 3 enclosed CD-ROMs. The printed information therefore only encompasses installation and operational procedures on computers, lists of content on the CD-ROMs, and short explanatory notes. Essentially this is a CD-ROM publication. In order to view the information, a PC with Windows 95, 98 or NT is required. At least 32 MB RAM is needed and a screen resolution of 1024×768 is recommended. All necessary programs to view maps and texts are enclosed on the CD-ROMs. Maps, cross-sections etc. can be printed in original format (see below) or scaled according to specification. The maps are generally in excellent quality and can stand considerable magnification.

The core of the map-suite is up to 14 depth structure maps in the interval Base Zechstein to Base Middle Miocene (both included) in the scale 1:300,000. On this basis 16 isopach maps encompassing Permian and Triassic intervals in scales between 1:300,000 and 1:3 million are prepared. More special maps include 5 showing subcrop in scales of 1:300,000 to 1:3 million, – maps showing structure (framework and development) mainly in scales of 1:500,000 and up to 1:6 million, – and a vitrinite reflectance map. Cross-sections include 12 in the North Sea in the scale 1:150,000 and 20 cross-sections in NW Germany in the scale 1:100,000 where some are vertically exaggerated two times. The latter set includes restoration to Base Lias and Mid Keuper datums.

Many lithostratigraphic correlation tables give a comprehensive overview of the lithostratigraphy in Germany, both onshore and offshore as well as correlation to neighbouring countries.

Most maps and cross sections are in black and white. The information is to a large extent a digital reproduction of two earlier map publications as also stated in this publication (Kockel (ed.) 1995 and Baldschuhn et al. 1997). However, all the benefits of the digital format (scaling, sub setting etc.) are now easily accessible with this publication. The publication also includes addi-

tions compared to these earlier publications. Unfortunately no direct well information is included, which probably is due to confidentiality. However, much of this type of detailed information may probably be tracked down via the very comprehensive reference list.

The maps, sections and supplementary information are based on information from about 75,000 wells and interpretation of more than 1 million kilometres of seismic data acquired mainly by oil companies operating in Germany. The presented work thus represents the cumulated efforts by numerous geo-scientists for over 40 years at the Bundesanstalt. This awesome feat is contained on only 3 CD-ROMs. Anyone working professionally with regional mapping of the subsurface in Germany and neighbouring countries will find a database of immense value in this publication and it will constitute a key reference for future work in the region. The authors are congratulated with this milestone publication.

References

- Kockel, F. (ed.) 1995: Structural and palaeogeographical development of the German North Sea sector. *Beiträge zur regionalen Geologie der Erde* 26, 96 pp. Berlin/Stuttgart: Bornträger.
Baldschuhn, R., Frisch, U. & Kockel, F. (1997): Der »Geotektonische Atlas von NW-Deutschland 1:300,000« erschienen. *DGMK-Tagungsbericht* 9701, 83-92, Hamburg.

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