

# The Mapping Of Geological Structures

**Geological Society of London Handbook Series**  
**Edited by Keith Cox**

Founded in 1807, the Geological Society of London has been publishing since 1845 and now distributes its journal to Fellows throughout the world. This Handbook is published as part of a series of authoritative practical guides to field geology.

## **The Mapping of Geological Structures**

Detailed mapping and analysis of the structural features of rocks enable the 3D geometry of their structures to be reconstructed. The resulting evidence of the stresses and movement patterns which rocks have undergone indicates the processes by which they were formed, and allows evaluation of past deformations of the earth's crust.

Written to show how one actually describes, measures and records rock structures such as folds and faults with the emphasis on accuracy, detail, and on-going interpretation throughout, this handbook gives students and enthusiasts the practical information and guidance which allows their fieldwork to become vastly more rewarding.

... the author is to be congratulated on producing such an excellent text. The whole range of mapping techniques that an undergraduate student will require are described and the book will still be immense help to post-graduates setting out on their research work. The book represents extremely good value and is thoroughly recommended.

C. R. L. Friend, *Mineralogical Magazine*

**Contents:** Introduction to structural elements—Mapping and recording techniques and equipment—Classification, analysis, measurement and description of fold structures, foliations, lineations, fault and shear zones, joints, veins, stylolites—Polyphase deformation—Preliminary interpretation and data mapping—Strain measurements—Recording procedures—References—Index.

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