



The interpretation of geological maps is fundamental to the study of geology. Correctly read, the maps show the location of particular rocks as well as the extent and deformational and geological history of the formations. Yet, the majority of students find geological maps complex and difficult to read; mainly, because they are two-dimensional representations of three-dimensional features.

Using problem maps and assuming little previous knowledge of geology Derek Powell's manual offers a series of explanations, examples and exercises to encourage the student to think in three dimensions. Answers and far-reaching discussions are supplied with exercises. These enable the students to assess their own understanding of the problems involved, as well as pointing them towards possible interpretation.

The manual illustrates the basic techniques and difficulties encountered in map-reading and construction, and teaches the reader how to analyse them quickly and effectively. In addition, particular emphasis is placed on the geometries of bodies of rocks and structures, and upon their relationship in time.

This book will serve as a self-assessment manual for laboratory courses in geological map/section construction and interpretation where these are taught from a structural geology perspective. **Interpretation of Geological Structures Through Maps** will be of value to all students taking courses in geology, and will be invaluable to professional geologists wishing to brush up on their structural interpretation.

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