require a knowledge in a number of diverse fields such as pedology, geomorphology, rock weathering, etc., information on which is generally only available in more specialized texts. The first five chapters of this textbook are particularly good inasmuch as they provide an up-to-date summary and an excellent list of references on most of these inter-disciplinary aspects important to exploration geochemistry. These chapters provide the type of information, in a form readily understood by geologists, which is required for a good working knowledge of exploration geochemistry, but which generally have to be found in more specialized texts. For example, Chapter 3 contains a truly excellent summary of weathering, something which is long overdue in the geochemical literature. In addition, the author has obviously consulted numerous sources to compile summary tables such as one summarizing average abundances of 65 elements in six rock types, soil and river water. Tables such as these provide very useful references.

In the section concerning mineral exploration (Chapters 7 - 10) where individual case histories and examples are used, the author's lack of practical experience in exploration geochemistry is apparent from time to time. This does not appear as any major error or omission, but rather as minor inconsistencies, and ambiguities. The text is also possibly longer than it need be. For example, the introduction (pages 9 - 30) are largely redundant and could be shortened significantly. In addition, by treating topics twice, firstly from the theoretical and secondly from the practical aspects, there is the inevitable repetativeness.

Notwithstanding these criticisms this textbook provides an excellent introduction to exploration geochemistry, particularly when it is kept in mind, as the author emphasizes in the Preface, that it is intended for students and geologists who are not expert in geochemistry, but wish to have a good working knowledge of this field. It is an extremely comprehensive and well-rounded review and as such could save any reader a great deal of time, rather than trying to compile the same information himself from the original source.

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