

IGBA2000:

A comprehensive package of FORTRAN programs for the international IGBA database system

Ali T. Al-Mishwat

Geology Department - Kuwait University

P. O. Box 5969 - Safat

KUWAIT - 13060

E-Mail: almishwat@kuc01.kuniv.edu.kw

(Fax: 965-481-6487 or 965-538-8502)

Abstract - A comprehensive package of FORTRAN programs is described which details software algorithm used in connection with the international IGBA database system. The package is used for input, output, maintenance, management, decoding and treatment of data on igneous rocks contained in the IGBA database - IGBADAT. It includes two input and output libraries and more than twenty five individual program modules for input, verification, modification, maintainance, decode and output of information on rock specimen descriptions catalogued in the database. Input and output of data on major oxide elements, minor and trace elements information and petrographic and mineralogic information are achieved by invoking individual modules that deal with such type of information individually. Other modules pertain to stratigraphic, chronologic and geographic information. Ancillary and supplementary information on rock units and rock groups, national origin and rock types and names are also included in the IGBA2000 software package.