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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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Code of geochemical rock survey

岩石地球化学测量技术规程 清晰版

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed by the Ministry of Land and Resources of the People's Republic of China.

This standard is under the jurisdiction of the National Land Resources Standardization Technical Committee (SAC/TC93).

This standard was drafted. Nanjing Geological Survey Center of China Geological Survey.

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Rock geochemical measurement technical specification

1 Scope

This standard specifies the working nature and tasks of rock geochemical measurements, design book writing, field sampling, sample processing, quality inspection, Determination of element selection and elemental analysis test quality monitoring, map preparation, anomaly verification and evaluation, results report and drawings.

This standard applies to rock geochemical measurements at different scales in all stages of mineral exploration.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

DZ/T 0011 Geochemical Census Specification Scale 1.50000 DZ/T 0130 Geological and Minerals Laboratory Test Quality Management Practice DZ/T 0167 Regional Geochemical Exploration Specification Scale 1.200000

3 General

3.1

Rock geochemical survey is a geochemical exploration of rock as a sampling medium, mainly used in regional geochemical exploration and back.

Landscape research, geochemical exploration of metallogenic belts, geochemical exploration of mining areas, and research on the genesis of deposits. Regional Earth Chemical exploration, geochemical surveys, geochemical surveys in geochemical surveys, and special surveys of rock geochemistry.

3.2

The main task of rock geochemical survey in regional geochemical exploration is to identify the distribution and distribution characteristics of elements in regional rocks.

The background and anomaly of the geochemical region of the rock provide a basis for the interpretation of regional geochemical anomalies.

3.3

Rock geochemical surveys in geochemical surveys are generally found in the anomalous zones discovered by regional geochemical exploration, or in the division of geological mineral surveys.

The prospect of the mine prospecting area is to delineate the anomalous concentration sites, perform anomaly screening based on the typical characteristics of typical deposits, and determine the prospecting target area.

The certificate has an abnormality in the meaning of prospecting.

3.4

The geochemical survey of rocks in the detailed survey of geochemistry is mainly aimed at prospecting target areas and deep mineral exploration. The main task is to confirm Determine the degree of denudation and ore-forming depth of the prospecting target area based on the ore-forming geochemical zoning characteristics of the typical ore deposit.

Quantitative prediction of resources and reserve estimates provide a basis for implementing deep engineering verification.

3.5

Special surveys of rock geochemistry include typical deposit research, resource potential assessment, and special rock geochemical measurements. Typical deposit in this respect, we mainly study the diagenetic-metallogenic-forming halo geochemical processes of various deposit types, and study the genetic mechanism, age and formation environment of the deposits.

The anomalous characteristics and zoning laws of ore-forming elements establish a prospecting geochemical model and guide geological prospecting.

4.1 Design basis

The design book shall be prepared in accordance with the relevant specifications, task book or contractual requirements of the client.

4.2 Preparations before the design of the design book

4.2.1

Collect basic data related to the physical geography, regional geology, mineral resources, geochemistry, geophysics, remote sensing, etc.