

APPLIED THEORY OF GEOLOGICAL - EXPLORATION SYSTEMS ERRORS AND RELIABILITY

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This theory is a new intellectual channel in an applied geological science, which dealing, for the first time, with arose during exploration work errors and failures, concerning them as objects for re-exploration. This theory turned out the first and unique theory of errors in a geology, enabling to study errors just in the theory, instead of to make them in practice. Applied Theory of Geological - Exploration Systems Errors and Reliability gives a chance to carry out: quantitative estimation of quality and reliability for types of different geological tasks - survey, exploration, evaluation works; estimation of quantity and sizes of undiscovered deposits together with allocation of sites of their the most probable situation and general resources of a minerals of these deposits; to choice work technology for detection of residual deposits in traditional mining regions, its optimization by efficiency and cost price; to choice optimized technology for exploration in new regions; allocation of probable errors, connected with lack of knowledge on particular applied problems, and to develop the program for these knowledge obtaining; allocation of probable errors, connected with unused or wrong use of being present knowledge and connected, too, with illusions, false stereotypes, delusions; The theory has passed approbation and has leaded exploration operation to positive geological results in various regions, for various useful minerals search, at various exploration stages, including: diamonds (Yakutia, Archangel region, NWT of Canada, Brazil), gold (Magadan region, Yakutia), zinc and lead, bauxite, the oil and gas.