Characterization of Hydrothermal Alteration Mineralogy and Pathfinder Elements in the Exploration for gold in North Mara mines, Tanzania

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Abstract
A combination of minerological and multielement analyses was used to characterize the hydrothermal alteration, pathfinder elements and their distribution within the gold deposits in North Mara mines, the Archean Musoma-Mara greenstone belt, Tanzania. The aim was to evaluate the suitability of alteration mineral assemblages and composition as an effective exploration marker for fingerprinting hydrothermal