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## Geological Survey Professional Paper Volume 959 (Paperback)

By Geological Survey

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. Excerpt: .abundant titanaugite, olivine, and fine magnetite-ilmenite intergrowths. The anorthositic gabbro was intruded by basaltic magma of a second period of magmatic activity, which formed layered rocks consisting chiefly of troctolite, olivine gabbro, feldspathic gabbro, and syenogabbro. These rocks are 4,500 m thick and show local rhythmic layering, fluxion structure, and gravity stratification. The entire series is cut by bodies of ferrogranodiorite and granophyre and late dikes of basalt and aplite. The iron-titanium oxide minerals are most abundant near the top of the series, in olivine metagabbro where distinct layers of iron ores are seen and in magnetite syenogabbro where magnetite averages 12 percent by volume. The oxide minerals are apparently a product of the trend of iron-titanium enrichment during the course of differentiation and fractionation, as at Michigamau. Both the Michigamau and the Duluth complexes contain fairly large bodies that are high in TiO<sub>2</sub>, but no economic...



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