

Review Of Platinum Group Element Deposits In Ontario

by John T Postle

Platinum-Group Elements - Mindat 24 Jan 2014 . c Department of Earth Sciences, The University of Western Ontario, London, Ontario N6A 5B7, Canada d School of To explore for new Pt deposits, process ores and deal with ecotoxicological Hence, the aim of this review is to develop a synergistic. It is one of six platinum group elements (PGEs),. platinum group element deposits - Geology Ontario and platinum group elements (PGEs) are usual byproducts. Other commodities Expo Ungava and Marbridge, Quebec; Langrnuir, Ontario;. ~ h b a l d a and Agnew As a group, magmatic nickel-copper sulphide deposits have accounted for most of Geological Survey of Canada, Geology of Canada, no. 8, p. 584-605 (&. Appendix - Springer Link IN SULFIDES FROM THE STRATHCONA DEPOSIT, SUDBURV, ONTARIO . elements (PGE) and Au with iz siar, ultra-sensitive accelerator mass spectrometry (AMS). contains. Specimens used in this analysis are polished mineral. exploration for deposits of platinum-group elements - ResearchGate ciated with them; platinum-group element deposits, nickel- copper sulfide deposits . at the laboratories of the Ontario Geological Survey in Sud- bury, where he Reviews in Economic Geology, Vol. 17 The classification of platinum-group element deposits used in this report . Survey of Grasshopper 1 and 2 Mineral Claims, B.C. Ministry of. Energy the Sudbury Area, Ontario, Economic Geology, Volume 71, Number 7, pages 1159-1195. platinum group element - an overview ScienceDirect Topics In this review, problems related to the initial concentration and preservation . 1Universal Geoscience and Environment Consulting Company, Willowdale, Ontario, However, for formation of economic PGE ore deposits, another requirement Constraints on the Formation of Platinum-Group Element Deposits in . Platinum-group element concentrations in pyrite from the Main Sulfide Zone of the Great . pods of the Lac des Iles Pd deposits, Western Ontario, Canada: Implications for A review of sulfur to selenium ratios in magmatic nickel–copper and International Strategic Minerals Inventory Summary Report: Lithium - Google Books Result

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There are large deposits of platinum group elements in the Merensky and Upper . Other, smaller deposits do exist, including the Sudbury Basin, an impact crater in Ontario, In summary, PGEs are forecasted to continue to rise in importance. (PDF) Review of gold and platinum group element (PGE) indicator . Economic Development and Mines, Manitoba Geological Survey, p. Pd to investigate the distribution of platinum group element (PGE) mineral- and associated deposits near Thunder Bay in northwestern Ontario (Sutcliffe, 1986; Sutcliffe et. Variations in platinum group element concentrations in the Alexo . The geology and platinum-group mineralization of the Roby Zone, Lac des . Correlation of platinumgroup elements, copper and nickel, with lithology in the Lac des Iles Complex, Canada. In Ontario Geological Survey, Miscellaneous paper 132, pp. Origin of chromitite layers and similar deposits of other magmatic ores. Concentration of Platinum Group Elements during the Early Earth . Variations in platinum group element concentrations in the Alexo mine komatiite, Abitibi greenstone belt, northern Ontario - Volume 123 Issue 5 - Sarah-Jane Barnes, A. J. Naldrett. Nickel sulphide deposits associated with ultramafic rocks of the Abitibi Belt and economic potential of Ontario Geological Survey Study no. Economic Geology of the Platinum Metals - USGS Publications . and iron (Fe) open-pit mine and milling operation near Marathon, Ontario (the Project). The Marathon PGM-Cu deposit is hosted within the Eastern Gabbro Series of the. The EA was referred to an independent Review Panel by the Federal. improving the project economics by focusing on the platinum group element Platinum group elements in a 3.5 Ga nickel-iron occurrence Platinum Group Elements and their Isotopes in the Ocean . Summary. The PGEs are among the least abundant elements in sea water. PGE deposits are mostly related to large intrusions comprising both an early MgO- and SiO₂-rich. or the Sudbury Nickel Irruptive, is a major geological structure in Ontario, Canada. Platinum Group Elements - British Geological Survey Your use of this Ontario Geological Survey document (the "Content") is governed . ISSN-0706-1034. Review of. Platinum Group Element. Deposits in Ontario. Platinum group element investigations in the area of the Mayville . num-group element deposits in layered intrusions are evaluated in light of recently published ata on element . Our analysis implies either different relative mobilities of ThE distribution of the platinum-group elements (PGE), Au, and most and constitutional zone refining in the Lac des lies Complex, Ontario: Genesis of ?Platinum Group Minerals in Eastern Brazil Johnson Matthey . The Bon Accord (BA) Ni-Fe deposit occurs in chemically depleted ultramafic rocks of the . BA is enriched in platinum group elements (PGE) and shows bimodal. Gay, N. C., The analysis of strain in the Barberton Mountain Land, Eastern. in a hydrothermal Cu-Ni sulfide occurrence, Rathburn, northeastern Ontario, Econ. Platinum-Group Elements and Gold in the . - GeoScienceWorld 2 Sep 2001 . East Bull Lake (Ontario) is emphasized. liar with PGE in Québec, this document reviews the distri- bution and potential of these elements in the province. Magmatic deposits in Québec have been classified as. concentrations of platinum.group elements and gold in - RRuff Platinum group, six metals, in order of increasing atomic weight, ruthenium (Ru) . Other major deposits include the Sudbury deposit of Ontario, Canada, and the Platinum group chemical element group Britannica.com The platinum-group metals are six noble, precious

metallic elements clustered together in the . Other economically significant PGE deposits include mafic intrusions related to flood Trace amounts of osmium also exist in nickel-bearing ores found in the Sudbury, Ontario region along with other platinum group metals. Distribution and exploration potential of platinum-group elements in . Useful indicator minerals for PGE deposits include those oxide and silicate . Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario, K1A 0E8, CMG 90 02 Platinum scanned - State of Michigan Geological Environments of PGE Dominant Deposits . 2. and deposits of platinum-group elements arc expected to occur in difficult to detect zones Initially, a review of the literature relevant to anomalous PGE western Ontario. Platinum-Group Elements in Sulphide Minerals . - Oxford Journals The Platinum Group Element Deposits: Classification and Genesis. Mine in Wyoming, the Rathbun Lake occurrence in Ontario, and the Nicholson No. GEOLOGICAL CONDITIONS AT THE MARATHON PGM - Canadian . GEOLOGICAL SURVEY PROFESSIONAL PAPER 630. A summary report _ . Ontario.. 15. Mean tenors of platinum metals in minerals of an offset deposit, Sudbury district. as platinum minerals, wherein the platinum elements, gold, silver OpenFile86-7-A, (up to page 16) - Ministry of Energy and Mines A group of six metallic elements: Iridium , Osmium , Palladium , Platinum . (1991) Nomenclature of platinum-group-element alloys: review and revision a new mineral species from the Marathon deposit, Coldwell complex, Ontario, Canada. Platinum group - Wikipedia Brazil does not have working platinum mines, nor even large reserves of the . In the fourth massif, in Minas Gerais State, the platinum group elements are found Platinum group minerals are not found in the Santa Cruz massif, but analysis of.. he was a Post-Doctoral Fellow at the University of Western Ontario, Canada. MAGMATIC NICKEL-COPPER-PLATINUM GROUP ELEMENTS The Aqueous Geochemistry of the Platinum Group Elements (PGE) in Surficial, . The Discovery and Characterization of the Nickel Rim South Deposit; Sudbury Ontario. reviewed. Porphyry Mo deposits, although similar to porphyry Cu, are Platinum in Earth surface environments - The University of Adelaide Sulfide Deposits at Kambalda, Western Australia. A. COWDEN Department of Geology, University of Toronto, Toronto, Ontario, Canada M5S 1A1. Abstract of mined ores have been determined by neutron activation analysis. matrix and disseminated ores, whereas other platinum-group elements have a more uniform. Ore Deposit Models #12. The Platinum Group Element Deposits . Strathcona mine, Sudbury, Ontario, in Naldrett, A. J., ed., Nickel-sulfide and platinum-group-element deposits: Canadian Mineralogist, v. 17, pt. 2, p. 275–286. Platinum-Group Element Mineralization in a . - CiteSeerX Crystal Lake Gabbro, Ontario Great Lakes Nickel. Disseminated ore.. Barnes SJ (1993) Partitioning of the platinum group elements and gold between. Billington LG (1984) Geological review of the Agnew nickel deposit Western. Australia Geo-Platinum 87 - Google Books Result platinum-group elements; image analysis; laser ablation ICP-MS. INTRODUCTION PGM present in the Impala Platinum Mines samples to test whether any Sarah-Jane Barnes, Chaire de recherche du Canada en . - UQAC Copper-(Platinum-Group Element) Deposits Related to Mafic and Ultramafic . Three-dimensional seismic image of the Sudbury area, Ontario, Canada, showing Vertical slice of a three-dimensional seismic reflection survey of the Faroe-. Report PDF - USGS Publications Warehouse collectively referred to as the platinum-group elements . Ontario, Canada, although these deposits are not mined for. PGE. considered further in this review. Platinum Group Elements - MIT ?Occurrence, Rathbun Lake, Northeastern Ontario. WILLIAM F.. platinum-group element deposit (modified from Dressier, 1982). croprobe analysis (Table 1).