## Selected 2002 and 2003 Publicly Available Metallic and Diamond Assessment Reports in Alberta MIN20030003 MIN20020006 Ashton Mining of Canada Inc. Blue Diamond Mining Calgary Petrographics Ltd. 🥡 🤎 Diamond drilling, mapping and geochemical Diamonds and precious metal exploration of a topographic anomaly in the Clear Hills Diamond exploration in the Birch Mtns region - potential kimberilte found Airborne and ground geophysics done Drilling, mapping and geochemical surveys Discovery of 8 kimberlite pipes with 7 being Ground magnetometer survey Airborne and ground geophysics done Eight 20' holes were sampled for geochemical analysis K252 significantly diamondiferous (55 cpht) 120° MIN20020005 MIN20030007 22 20 18 16 14 22 20 18 16 14 Ateba Mines Inc. New Claymore Resources Ltd. 💎 126 Precious metal (gold) exploration of · Diamond exploration of secondary anoma-124 2<sup>nd</sup> White Specks Fm Тр lies in the Mountain Lake kimberlite area 122 122 Alluvial samples taken to determine gold Drilling, mapping and ground geophysics content; found not to be economic 120 120 No additional sampling to be done until Areomagnetics and airborne electro-118 further studies Geochemical survey done 116 114 MIN2003008 MIN20020011 New Claymore Resources Ltd. 🤍 Diamond exploration (2 properties) Gold explorations; analysis of the Bad Heart Fm sandstones/Clear Hills iron deposits 106 Geochemical surveys of beach sediments 80104 showed excellent diamond indicator minerals Tried to identify the most suitable pre-102 Follow-up airborne magnetic survey failed treatment and leach procedures for use on 100 to reveal any targets sample material containing anomalous iron, nickel, manganese MIN20020002 Birch Mountains Resources Ltd. MIN2003005 Precious metal and diamond exploration Examination and interpretation of drill core, A.D. Lewis, 713803 Alberta Ltd. Precious metal exploration rock samples and drill logs Tried to develop reliable assay methods for the precious metal microparticles and nano- Geochemical survey and lab analysis done on Clear Hills iron deposits Tried to develop a method to extract precious Geological mapping of silicified limestone metal from a ferrous deposit in northwestern Drilling and geochemical surveys done MIN20020008 MIN20020004 756736 Alberta Ltd. **Buffalo Diamonds and** New Claymore Resources Ltd. Diamond exploration, Driftwood property · A number of anomalous areas identified Exploration for diamond bearing kimberlites from a high resolution aeromagnetic High resolution helicopter magnetic survey (HRAM) survey were investigated to locate magnetic targets (kimberlites) Several topographic circular oval-shaped 10 targets drilled; none intersected kimberlites physiographic features were also investigate 54° MIN20020013 MIN2003009 756736 Alberta Ltd. 756736 Alberta Ltd. Diamond exploration, Mooney Block property Diamond exploration Exploration including ground magnetic High resolution aeromagnetic surveys of survey done on several circular anomalous areas, followed by ground physiographical features magnetic surveys Circular physiographic features studied MIN20020012 National 08685 Alberta Ltd. and Sovereign Mining and Exploration Ltd. 🍿 🥥 Diamond and gold exploration, Swan Hills MIN20020014 Stream sampling for diamonds and gold 756736 Alberta Ltd. Drilling and geochemical surveys done Diamond exploration Auger and core samples analyzed for gold Anomalous areas identified from high and diamond indicator minerals resolution aeromagnetic surveys Ground geophysics done and circular MIN20020007 physiographic features investigated dational 756736 Alberta Ltd. Diamond exploration Calgary <sup>4</sup>51° Ground magnetic surveys conducted on several oval-shaped physiographic features Anomalous areas investigated were chosen using criteria suggested by a consultant MIN2003006 M. Kropinak Precious minerals exploration Prospecting and sampling along South Racehorse Creek Collection of soil and water samples for mapping and geochemical surveys **ALBERTA** 200 km 100 114° Diamond Precious metal Base metal Mineral Permit Area exploration exploration exploration Note: 1- Mineral Permits shown in red are those in good standing as of February 17 2005; provided courtesy of Alberta Department of Energy (www.energy.gov.ab.ca) 2-Some mineral permits in existence in 2002/2003, may now have lapsed 3-Background geology is from AGS Map 236, Geology of Alberta www.ags.gov.ab.ca Prepared by R. A. Olson and D. Magee