Windy Craggy
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GEOLOGICAL SOCIETY/SOCIÉTÉ DE LA GÉOLOGIE

8:30, MEETING ROOMS 1-3, VANCOUVER TRADE AND CONVENTION CENTRE/SALLES DES RÉUNIONS 1-3, CENTRE D'EXPOSITIONS ET DE CONGRÈS DE VANCOUVER

Geological Problems in Mine Development

KEN CARTER, Solomon Resources Ltd., Vancouver, British Columbia, Session Chairman

Paper No. 161 — 8:30

Environmental Geochemistry at Windy Craggy.

P.G. CLARIDGE, B. DOWNING and G. HARPER, Geddes Resources Limited, Vancouver, British Columbia

When Geddes Resources first started detailed drilling of the Windy Craggy massive sulphide deposits in northwestern British Columbia from underground in 1988, the far-sighted decision was made to undertake 40 element ICP analyses of every assay sample. This provided the start of a comprehensive database which is now used to characterize types of waste rock. The potential of waste rocks to generate or consume acid when exposed to weathering is a fundamental classification required for mine planning. The geochemical signature of the waste rocks allows the creation of a computer block model by environmental character.