

Survey of Shotcrete Practices in Weak Rock in North American Mines

Gregory Edwards

Chad Petrie



ABSTRACT

The purpose of our undergraduate research project was to survey a number of weak rock mines and collect data provided by the engineers to assess if there are correlations between the mines and their practices. If there are similarities between the mines and their shotcrete practices, the correlated data may be put into a best practices standard for shotcrete.

BIOGRAPHIES

Chad Petrie—I am a senior Mining Engineering student from Devon, Alberta, Canada. I graduated from British Columbia Institute of Technology with a Mining Technology diploma in 2006 and transferred to Montana Tech to obtain my Engineering Degree. I have worked two summers at the Diavik Diamond Mine in the Northwest Territories and this last summer at Black Butte Coal in Wyoming.

Gregory Edwards—I am a junior in Geological Engineering and come from Vancouver, British Columbia, Canada. I am a transfer student from the British Columbia Institute of Technology and graduated there in 2006 with a Mining Technology diploma. I have worked in exploration for the Thompson Creek Molybdenum mine in Idaho and will continue to work there on their forthcoming exploration program this June.