IMAGE PROCESSING TECHNIQUES FOR MINING AND RECLAMATION PRESENTATIONS[1]

by

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Abstract. Public meetings and presentations have become a necessary part of the mining and reclamation industry. The ability to convey an accurate and lasting impression of short term and long term surface effects of mine activity and reclamation efforts is a vital ingredient in gaining public support. This ability can be strengthened by using image processing and presentation graphics to modify and enhance direct photographic information from the sites. The use of digital image processing methods in preparing photographs for mine site analysis will be presented and explained. The methods addressed will include mapping of topography to photographs, image enhancement and constructive graphical methods for modifying photographs. Photographs of proposed mine site and reclamation activity will be presented.

Key Words: image processing, computer graphics, photographs