

# **Advances in Flotation Froth Pumping**

*P Woodall, D Smith*

1. Principal Engineer – Semi-retired, Glencore, Mount Isa, Queensland, 4825. Email: [peter.woodall@glencore.com.au](mailto:peter.woodall@glencore.com.au)
2. Maintenance Superintendent, McArthur River Mining, Darwin, Northern Territory, 0820. Email: [daniel.smith@glencore.com.au](mailto:daniel.smith@glencore.com.au)

## **ABSTRACT**

This paper investigates the pumping challenges faced at the McArthur River Mine which stem from the tenacious froths produced during the flotation of fine mineral concentrates. It defines the development pathways followed to improved pump performance and the alternatives considered, many of which were failures. Finally, it provides an overview of the solution, its success at MRM; and the implications of this work to the broader mineral processing industry.