

THE AMIRA P420 GOLD PROCESSING BENCHMARK SURVEYS

By

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ABSTRACT

Benchmarking through industry practice surveys has been a key component of the Amira P420 project throughout its history. These activities can be referenced as four main benchmark survey events: the 1994 Australasian Industry Survey, the 1999 Gold Processing Survey, the 2012 Worldwide Industry Survey and the 2021 Amira P420G Benchmarking Surveys. Those surveys were designed as questionnaires to identify gold processing practices amongst the participating sites, and the wider industry. The survey questionnaires were completed by site personnel, with the information received being compiled and anonymised by the Amira P420 Gold Technology Group. The questionnaires covered unit processes from milling through to the goldroom.

This paper will present the general trends observed in cycloning, gravity, leaching and carbon adsorption from the latest 2021 survey, and compares it to data from the previous surveys. The benchmark exercise aimed to identify changes in operational philosophy and improvements.

Keywords: gold, benchmark, processing, gravity, cycloning, leaching.