



# CALEDONIA MINING CORPORATION

## NEWS RELEASE

### CALEDONIA [CAL-TSE; CALVF-Nasdaq] COMMISSIONS METALLURGICAL TEST

**JUNE 6<sup>TH</sup>, 2001, 9.00A.M.**

**Caledonia Mining Corporation** of Toronto (CAL-TSE; CALVF-Nasdaq) announces that it has commissioned MINTEK of South Africa to conduct a series of metallurgical tests designed by Caledonia, to confirm if this relatively low cost method of recovering gold from refractory ore is economically viable at the present gold price, and suitable for treating ores from Caledonia's wholly owned Barbrook Gold Mine.

The metallurgical steps utilize existing and well-proven technology in a novel sequence and should result in improved recoveries from refractory ores irrespective of whether or not they are associated with "preg-robbes" such as organic carbon.

Should the testwork prove to be successful Caledonia intends to immediately erect and install a 3,000 tonne per month pilot circuit at the Barbrook Gold Mine near Barberton in South Africa. This circuit will be capable of being scaled up to 10,000 tonnes per month .

The results of the MINTEK testwork are expected in two to three weeks and the pilot circuit is expected to take eight weeks thereafter to erect and commission.

If successful, this technology will not only be utilized by Caledonia but is exportable to other similar refractory gold mines, as its capital, operational, and maintenance costs are predicted to be considerably lower than other methods of treating refractory gold ores.

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