
DE GREY MINING LIMITED – ROCK SAMPLING RESULTS AT YANDEEARRA

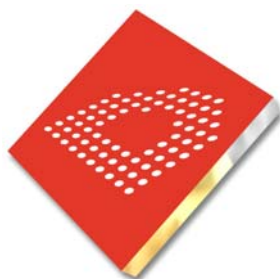
De Grey Mining Limited (De Grey Mining) has this morning released the attached announcement of rock sampling results at the Yandearra Gold Project.

As previously announced, De Grey Mining is earning up to an 80% interest in mineral rights, excluding iron ore and uranium, of part of the Yandearra tenements held by Chalice Gold Mines which cover the Pilbara Well Greenstone Belt.



Andrew Bantock
Executive Chairman

9 April 2008



De Grey Mining Ltd

A.B.N. 65 094 206 292

The Bold Explorer

9 April 2008

ASX/MEDIA RELEASE

EXPLORATION RESULTS GENERATE NEW EXPLORATION TARGETS AT YANDEYARRA JOINT VENTURE PROJECT

De Grey Mining Limited (ASX code: DEG) is pleased to advise that first assays have been received from rock samples collected during recent geological reconnaissance of known gold and base metal occurrences at the Yandeyarra Joint Venture and Friendly Creek Option projects, 100km south of Port Hedland in the Pilbara. The reconnaissance reviewed known mineral occurrences and their geological settings in order to prioritise gold and base metal exploration targets at Yandeyarra.

The results to hand are from the southwestern part of the Yandeyarra project where little exploration has been carried out since the area was explored for nickel in the 1970's.

Samples collected from sulphide rich quartz-carbonate veins exposed in shallow historic prospecting pits over an 80m strike length returned assays up to **108g/t gold, 1.26% copper and 9g/t silver**. The area is surrounded by alluvial cover. A single sample of a previously unrecorded gossanous quartz-carbonate vein sub-cropping through the transported cover 100m to the north of the pits assayed **15.0g/t gold** with anomalous copper and silver. The area has never been soil sampled for gold and the area of historic pits has never been drilled.

Also, geological reconnaissance of the area immediately north of the copper-gold occurrences has identified a sequence of **bimodal volcanic rocks**, not recorded on GSWA maps, that possibly extends over 7km of strike. Such sequences are prospective for **VMS-style base metals mineralisation**. Less than half of this strike was soil sampled for base metals in the 1970's and that work located a copper-in-soil anomaly of up to 825ppm copper over a 700m strike length of altered felsic volcanoclastic rocks.

Managing Director Gary Brabham said "This is early work but these results point toward early definition of drill targets for both gold and base metals at Yandeyarra."

For further information:

Gary Brabham

De Grey Mining Limited

Ph: +61 8 9285 7500

Technical Report

In late 2007 De Grey Mining Limited announced a new exploration joint venture (Yandeyarra Joint Venture) and a separate option agreement (Friendly Creek Option) over a 511km² area of the Pilbara Well greenstone belt 100km south of Port Hedland, Western Australia.

The Yandeyarra area contains 32 recorded alluvial and bedrock gold and four copper occurrences within the tenements, few of which have been drill tested. Some substantial areas have not even been evaluated by soil sampling, despite several known mineral occurrences.

Using the experience gained at its adjacent Turner River Project, De Grey is applying modern exploration techniques and fresh geological thinking to evaluate the potential for economic gold and volcanogenic massive sulphide style (VMS) base and precious metal mineralisation at Yandeyarra.

Western Pride Region, Yandeyarra JV - Geological Reconnaissance Results

Analytical results have been received for 21 of a total 84 rock samples collected during recent field programs at Yandeyarra. The fieldwork, which consisted of the systematic geological investigation of all mineral occurrences and geochemical anomalies within the Yandeyarra tenements, has now been completed but assay results from the remaining 63 samples are awaited. The objective of this reconnaissance was to review the geological style and extent of known occurrences in order to identify the highest priority exploration targets with potential for economic gold and base metal deposits in the Yandeyarra region.

Early results from the difficult to access south western portion of the project (the Western Pride Region – see Figure 1) indicate untested potential for high grade gold and VMS mineralisation.

Gold Potential

Although high grade samples up to **42.8g/t gold** were collected from old gold workings at Mountain Maid and Teichmans (Figure 2), potential for significant economic gold deposits in these areas is considered low due to the limited alteration and narrow quartz veining hosting mineralisation.

A distinctly different style of sulphide rich quartz-carbonate veining occurs along the western side of the Pilbara Greenstone Belt. Several encouraging assays up to **108g/t gold, 1.26% copper** and **9g/t silver** were returned from gossanous veins up to 1.5m wide within chlorite-carbonate altered dolerite. Samples were collected from shallow prospecting pits ('Pride North Northeast') over an 80m strike length in an area of gravel cover. The pits were identified from a geological plan made during nickel exploration in the 1970's.

An additional and previously unrecorded gossanous quartz-carbonate vein of similar thickness was located 100m to the north of Pride North Northeast on the southern side of a creek cutting alluvial gravel. A single sample of the vein assayed **15.0g/t gold** with anomalous copper and silver.

At Pride North, located 380m to the south, a sample of malachite stained quartz carbonate veining in carbonate altered ultramafic returned **19.3g/t gold, 3.48% copper, and 10g/t silver**.

Bedrock exposure is sparse in the Pride North Northeast area allowing scope for a large gold-copper-(silver) hydrothermal system. The identified occurrences have not been drill tested and other vein systems may occur down dip or beneath the veneer of recent

transported gravel. Regionally, soil sampling for gold has never been completed in this area of Yandeyarra, with the dolerite-ultramafic sequence untested over a 5km strike length to the northeast and southwest.

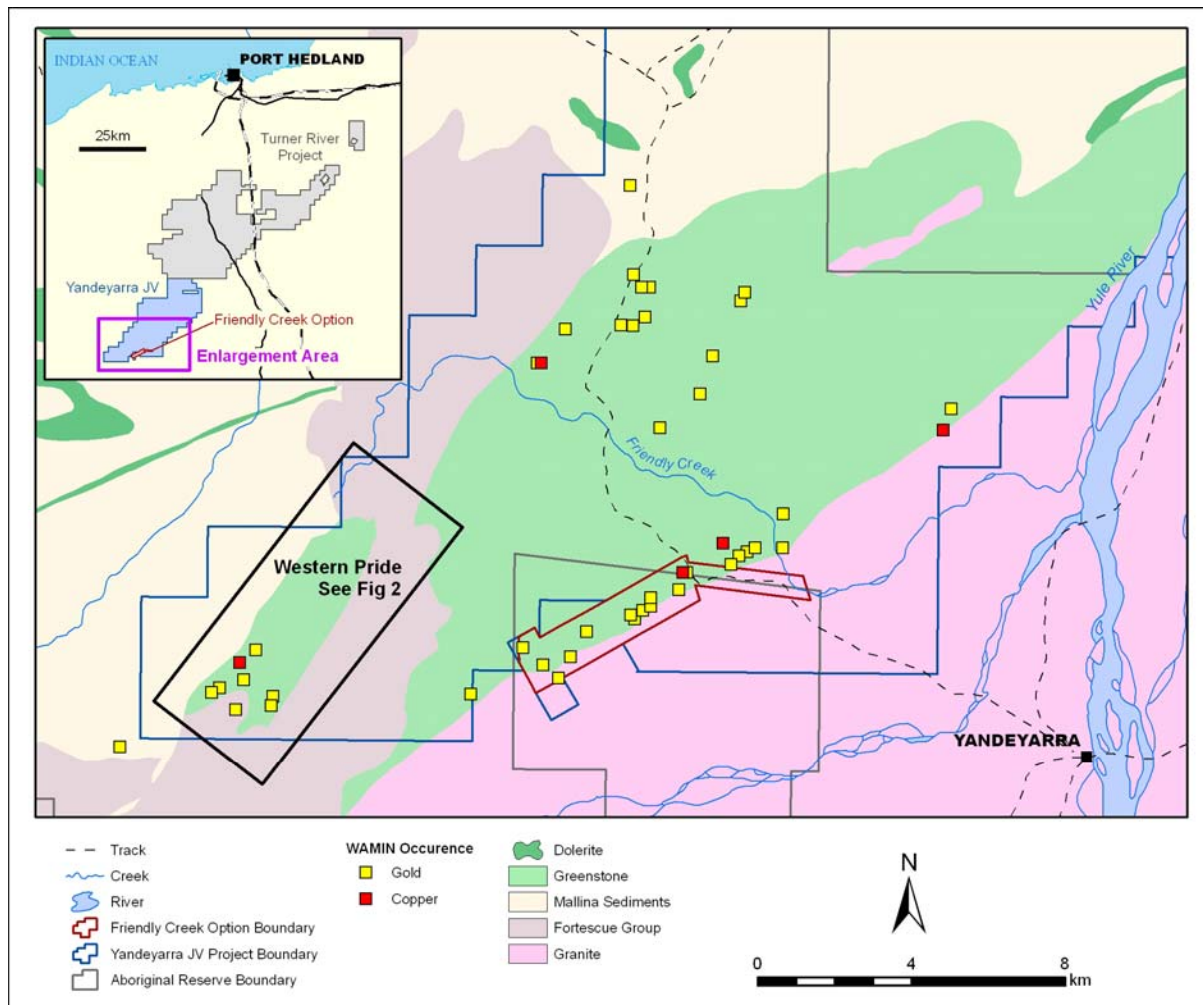


Figure 1: Location of rock sampling results and geological reconnaissance in the south west of the Yandeyarra Joint Venture Project

VMS Base and Precious Metal Potential

Geological reconnaissance has identified a sequence of bimodal (mafic and felsic) volcanic rocks not recorded on the Geological Survey of Western Australia 1:100,000 scale Satirist map sheet. Such sequences are prospective for VMS mineralisation. The alternating series of basalt, rhyolite and felsic volcanoclastic units sub-crops over a width of up to 950m and has a potential strike length of 7km before being covered to the north and south by younger Fortescue Group basalt and sediments (Figure 2).

The VMS prospective package lies immediately north of the gold-copper occurrences described above. A copper in soil anomaly of up to 825ppm copper identified during nickel exploration in the 1970's extends over a 700m strike length of kaolinised felsic volcanoclastic rock exposed in the side of a hill. The soil anomalism remains open to the east and north under gravel. The majority of the bimodal sequence has not been tested by soil sampling.

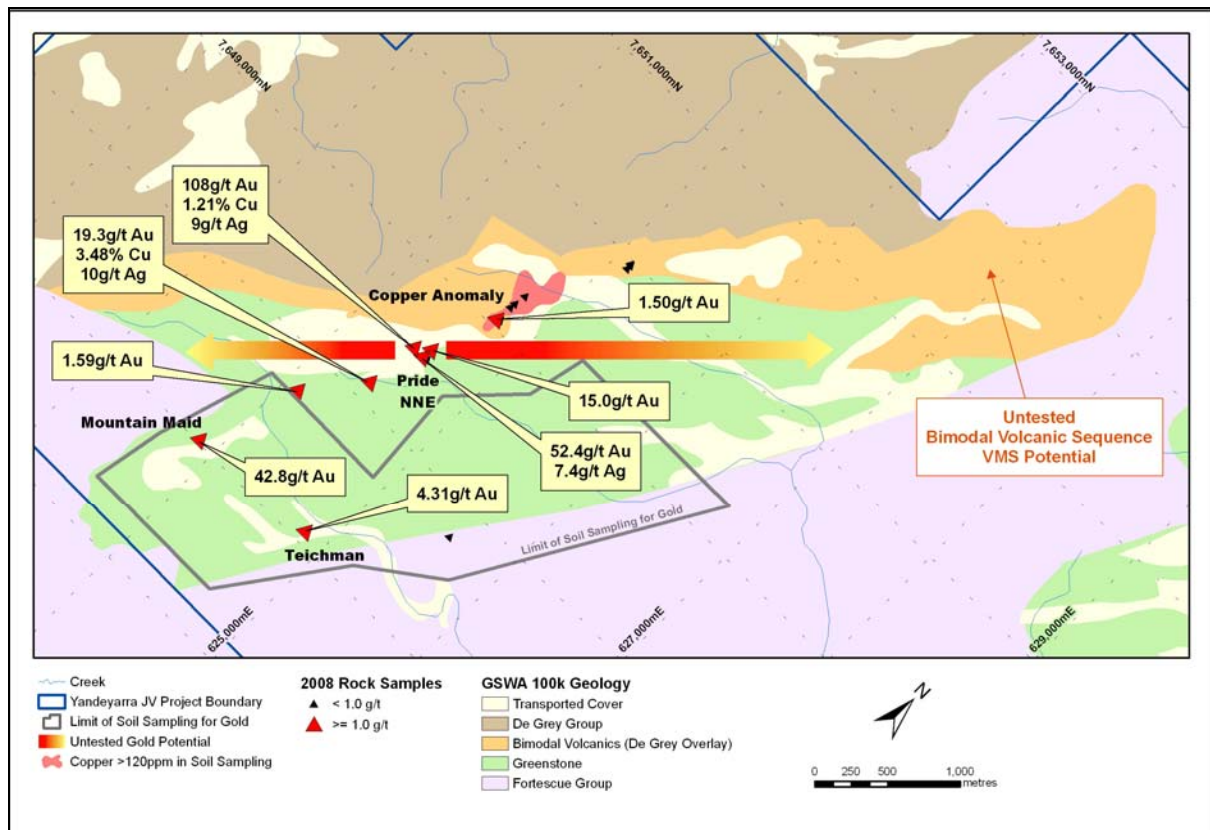


Figure 2: Rock sampling results and exploration targets in the Western Pride area, Yandeyarra Joint Venture Project

It is encouraging that previously unrecognized geological environments with untested potential for both gold and VMS mineralisation have already been identified at Yandeyarra. De Grey will rapidly advance these early stage exploration targets through geological mapping and multi-element soil sampling programs.

Analytical results for the remaining 63 rock samples collected during the geological reconnaissance are expected shortly. These additional results and geological observations will aid in the prioritisation of future exploration programs at Yandeyarra.

**TABLE 1 –YANDEYARRA JOINT VENTURE PROJECT
WESTERN PRIDE AREA**

Reconnaissance Rock Sampling Results >0.50g/t gold

SAMPLE ID	East	North	Gold, g/t	Copper, %	Silver, g/t	Prospect
55021	624,832	7,647,097	4.31	0.07	1	Teichman South
55024	623,869	7,647,032	42.8	0.02	3	Mountain Maid
55026	624,108	7,647,750	1.59	0.00	1	Pride
55027	624,417	7,648,142	19.3	3.48	10	Pride North
55029	624,553	7,648,523	52.4	0.25	7	Pride NNE
55031	624,467	7,648,523	108	1.21	9	
55041	624,562	7,648,598	15.0	0.15	3	Pride NNE Extended
55032	624,728	7,649,066	1.50	0.10	0	Copper Anomaly
55034	624,749	7,649,070	0.60	0.11	1	

Note: Samples reported are rocks. Coordinates are MGA zone 50. Analyses are by Ultra Trace Laboratories Perth using an Aqua Regia digest and Inductively Coupled Plasma (ICP) Mass or Optical Emission Spectrometry finish.

The information in the report to which this statement is attached that relates to Mineralisation is based on information compiled by Mr David Hammond, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Hammond has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 JORC Code Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves." Mr Hammond consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.