



27 January 2004

Quarterly Report

October – December 2003

Summary

- ◆ **Bendigo Mining has confirmed the resource potential of at least 13 million ounces (an increase of 1 million ounces) through a successful exploration program that:**
 - **Accessed gold bearing quartz reefs with sizes and shapes in accordance with historical experience of the goldfield**
 - **Confirmed that the gold grades in the newly discovered reefs are as expected from resource potential estimates**
 - **Demonstrated the geological predictability of the gold mineralisation**
- ◆ **The Company has met the Reserve target for initial production by defining a Probable Reserve estimate of 656,000 tonnes defined at 9 g/t Au for 193,000 ounces**
- ◆ **11,000 tonnes at 14 g/t Au extracted from the Greater Garrard reef with areas grading in excess of 30 g/t Au**
- ◆ **Feasibility study on schedule for completion at end January 2004**

Milestones

- | | |
|---------------------------|--|
| January 2004 | ◆ Complete Feasibility Study |
| First Quarter 2004 | ◆ Feasibility study considered by Directors |
| | ◆ Announce feasibility results and project development plan |
| | ◆ Finalise funding strategy |

In this document, the term "resource potential" is used to describe the Company's estimate of the contained ounces of gold which it believes, on the basis of a technical evaluation of available data and geological extrapolation, should occur within the New Bendigo. It is emphasised that this term is not covered by the JORC Code and is not equivalent to a Mineral Resource or Ore Reserve estimate.

The information in this report that relates to Mineral Resources or Ore Reserves is based on, and accurately reflects, information compiled by G F Johansen, Member of the Australian Institute of Mining and Metallurgy. Mr Johansen is a full-time employee of the Company and has relevant experience in relation to the mineralisation being reported to qualify as a Competent Person as defined in the Australian Code for Reporting of Mineral Resources and Ore Reserves. Mr Johansen consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

COMPLETION OF THE 2002/03 EXPLORATION PROGRAM

Bendigo Mining has completed a successful exploration program that confirmed the resource potential of at least 13 million ounces.

The program:

- Accessed gold bearing quartz reefs with sizes and shapes in accordance with historical experience of the goldfield
- Confirmed that the gold grades and contained ounces in the newly discovered reefs are as expected from resource potential estimates
- Demonstrated the geological predictability of the gold mineralisation, improving the ability to discover new ribbons
- Defined Resources and Reserves targeted to support initial production.

The confirmation of the resource potential and Reserve estimate are discussed more fully below.

CONFIRMATION OF THE RESOURCE POTENTIAL OF AT LEAST 13 MILLION OUNCES

Re-estimate of Resource Potential

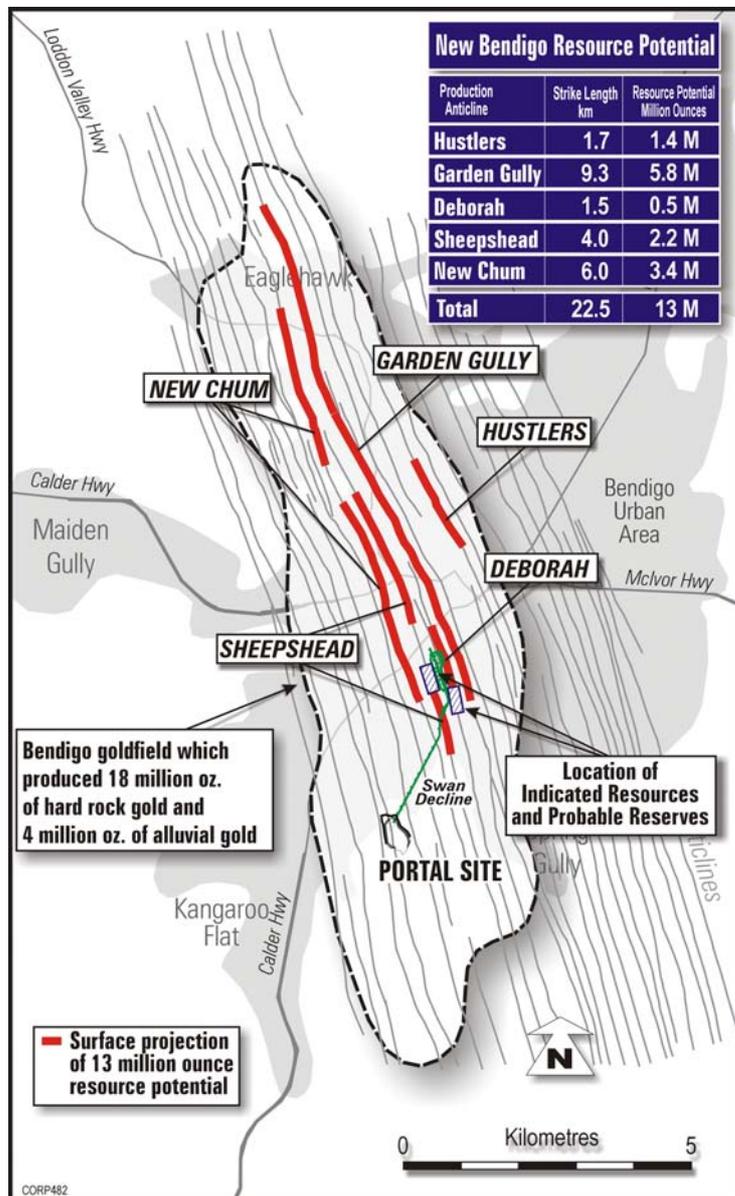
The New Bendigo project was initiated by Bendigo Mining based on the insight that the gold reefs at Bendigo occur in sub-horizontal “ribbons” that repeat at predictable vertical intervals (ribbon model). Detailed studies on 5 of the 15 major lines of reef identified a resource potential of at least 12 million ounces of gold in the New Bendigo in 2000. The New Bendigo is the area beneath the historic workings to a depth of 1,500 metres.

The resource potential has recently been re-estimated in view of better information and the Company’s improved understanding of the geological controls of mineralisation. The re-estimate resulted in a slight increase in the resource potential from 12 to 13 million ounces. The table below reflects the resource potential and the historical production from the various lines of reef.

Line of Reef	Historical Production			Resource Potential		
	Tonnes Million	Grade g/t	Ounces Million	Tonnes Million	Grade g/t	Ounces Million
Garden Gully	10.8	15.1	5.2	12.0	15.9	5.8
New Chum	7.7	15.2	3.8	7.4	14.3	3.4
Hustlers	1.8	19.7	1.1	2.5	17.6	1.4
Sheepshead	2.3	11.6	0.8	5.8	11.7	2.2
Deborah	0.4	16.8	0.2	0.9	16.0	0.5
Total	22.9	15.2	11.2	28.8	14.4	13.0

Table showing the historical production precedent used to estimate the resource potential to 1,500 metres below surface

Substantial underground development in the southern part of the field and drilling from surface in the north have confirmed the ribbon model. The Company’s understanding of the model and the geological controls of mineralisation has been demonstrated through the discovery and confirmation of new ribbons and gold bearing reefs.



Exploration Results Meet Expectations

Exploration in 2002/03 focused on gaining access to the shallowest part of the New Bendigo. Detailed exploration was undertaken within the D3 and S3 ribbons at the southern end of the field with the aim of defining sufficient Probable Reserves by December 2003 to support initial production. The results of the Company's exploration program have shown a high degree of correlation with the resource potential parameters and the experience of over 100 years of historical mining.

The size of the reefs in these new ribbons and the contained ounces of gold are as expected from the ribbon model and correlates with the historical production records of adjacent areas.

The resource grade of 10 g/t Au is in reasonable agreement with the estimated grade of 10.9 g/t Au predicted for the resource potential in the areas accessed.

The confirmation of grades in line with the grades predicted in the resource potential estimates increases our confidence that grades will increase to the north beneath the higher grade portions of the Deborah and Sheepshead lines of reef and on the high grade New Chum, Garden Gully and Hustlers lines of reef so as to approach the average of 14.4g/t Au estimated for the entire resource potential.

RESERVE AS TARGETED TO SUPPORT INITIAL PRODUCTION

An Indicated Resource of 720,000 tonnes at 10 g/t Au for 240,000 ounces was defined in the Greater Garrard, Upper S3, Shywolup and Christine No. 2 reefs (see table below).

Indicated Resources – December 2003				
Ribbon	Reef	Tonnes	Grade¹ g/t Au	Oz
Deborah D3	Shywolup	110,000	10.5	38,000
Sheepshead S3	Greater Garrard	278,000	11.0	97,000
	Upper S3	201,000	8.5	55,000
	Christine No.2	131,000	11.0	46,000
TOTAL		720,000	10.0	236,000

1. Grade reported in 0.5 g/t Au increments

The results of the sampling program has increased the Company's level of confidence in grade estimation and as a consequence grade estimates are reported in 0.5 g/t Au increments rather than the previous practice of reporting a "best estimate" within a grade range.

The resource estimate is based on the results of diamond drilling (typically on a 40m x 5m pattern) supported by extensive sampling of development within the reefs. In the last 15 months the Company has extracted and processed in excess of 90 bulk samples and 850 x 50kg samples to assist with grade estimation. In total some 27,500 tonnes of material was mined from the reefs at an overall grade of 11 g/t Au (see table below).

Resource tonnes extracted during on-reef development				
Ribbon	Reef	Tonnes Excavated¹	Grade g/t Au	Contained Oz
Deborah D3	Shywolup	7,300	8.0	1,900
Sheepshead S3	Greater Garrard	11,200	14.0	5,000
	Upper S3	6,100	9.8	1,900
	Christine No.2	2,900	8.6	800
TOTAL		27,500	11.0	9,700

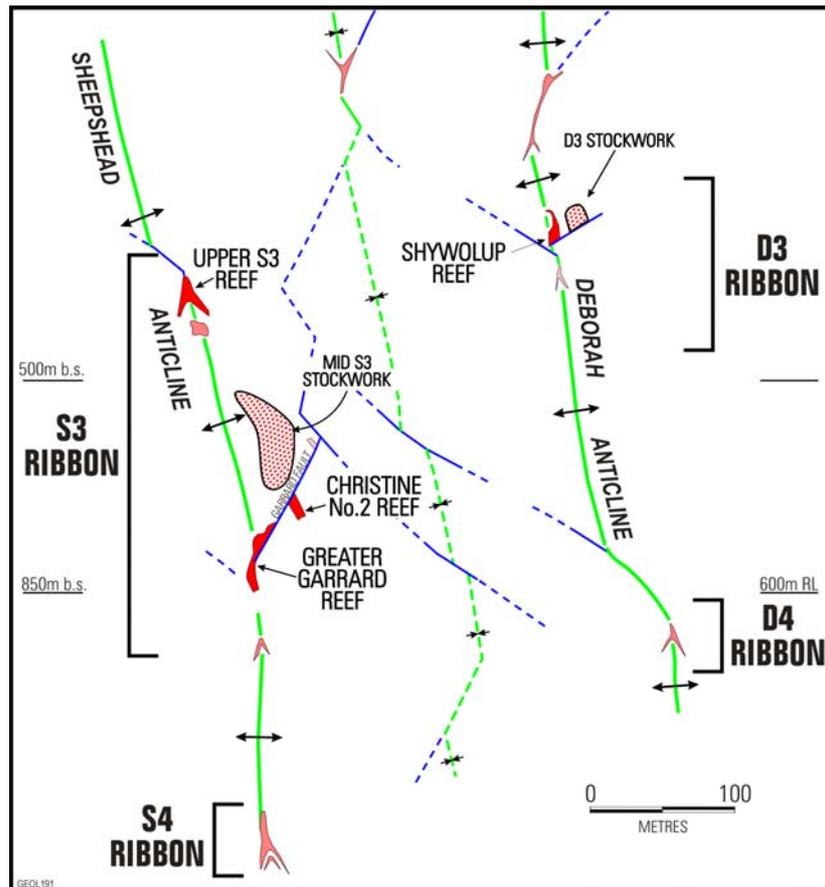
1. Note these tonnes have been excluded from the Indicated Resource

A Probable Reserve allowing for grade dilution and mining losses is estimated to be 656,000 tonnes at 9 g/t Au for 193,000 ounces and is within the range targeted to support initial production.

Probable Reserves (derived from Indicated Resources)				
Ribbon	Reef	Tonnes	Grade¹ g/t Au	Oz
Deborah D3	Shywolup	116,000	9.0	34,000
Sheepshead S3	Greater Garrard	240,000	10.0	78,000
	Upper S3	190,000	7.5	46,000
	Christine No.2	110,000	10.0	35,000
TOTAL		656,000	9.0	193,000

1. Grade reported in 0.5 g/t Au increments reflecting the confidence level in the estimation

An Inferred Resource estimate of 503,000 ounces was reported in the 2003 annual report. A re-estimation of the Inferred Resources remaining in the D3, D4, S3 and S4 ribbons following the latest estimation of Probable Reserves is yet to be undertaken.



Cross Section of Reefs on the Sheephead and Deborah Anticlines

HIGH GRADE AREA ACCESSED DURING THE QUARTER

The program of on-reef development, extensive sampling and close-spaced fan drilling, within the S3 and D3 ribbons was completed in November 2003. A highlight during the quarter was the results from the lower portion of the S3 ribbon, where some 200m of on-reef development in two strike drives, 30m vertically apart, yielded 11,000 tonnes of material grading 14 g/t Au, from within the larger resource envelope of the Greater Garrard reef. In many areas, reef material with large amounts of visible gold was encountered, grading well in excess of 30 g/t Au (1 oz/ton). The old timers called these high grade areas jeweller boxes and their presence in the areas investigated are further proof that the present day exploration results are in line with the historical experience of the gold field.

FEASIBILITY STUDY AND FUNDING

The project feasibility study is on schedule for completion at the end of January 2004. The feasibility study is based on a long-term mining rate to be around 30% above that previously estimated in the Conceptual Study of 2002, to over 1.5M tonnes per annum with a commensurate increase in annual gold production.

During February the directors will review the feasibility study and consider the best approach to develop the project as regards production build-up so as to allow funding of the project on preferential terms and to optimise shareholder value. The project development and funding strategies are planned to be announced in March 2004.

STATEMENT OF FINANCIAL PERFORMANCE (UNAUDITED)

	Qtr Ended 31/12/03 \$A'000	Qtr Ended 30/09/03 \$A'000
Operating Expenditure	4,890	6,918
Less: Interest Received & Other Income	<u>(1,440)</u>	<u>(1,235)</u>
Operating Loss	3,450	5,683
Income Tax Attributable	<u>0</u>	<u>0</u>
Operating Loss After Income Tax	3,450	5,683
Accumulated Losses 30/09/03	<u>106,159</u>	<u>100,476</u>
Accumulated Losses 31/12/03	<u><u>109,609</u></u>	<u><u>106,159</u></u>

STATEMENT OF FINANCIAL POSITION (UNAUDITED)

	As At 31/12/03 \$A'000	As At 30/09/03 \$A'000
CURRENT ASSETS		
Cash & Investments	10,712	14,954
Other Current Assets	<u>1,542</u>	<u>1,716</u>
TOTAL CURRENT ASSETS	<u>12,254</u>	<u>16,670</u>
NON CURRENT ASSETS		
Property, Plant and Equipment	<u>4,570</u>	<u>4,804</u>
TOTAL NON CURRENT ASSETS	<u>4,570</u>	<u>4,804</u>
TOTAL ASSETS	<u><u>16,824</u></u>	<u><u>21,474</u></u>
CURRENT LIABILITIES		
Accounts Payable	1,403	2,715
Provisions	<u>405</u>	<u>426</u>
TOTAL CURRENT LIABILITIES	<u>1,808</u>	<u>3,141</u>
NON CURRENT LIABILITIES		
Provisions	<u>1,686</u>	<u>1,676</u>
TOTAL NON CURRENT LIABILITIES	<u>1,686</u>	<u>1,676</u>
TOTAL LIABILITIES	<u><u>3,494</u></u>	<u><u>4,817</u></u>
NET ASSETS	<u><u>13,330</u></u>	<u><u>16,657</u></u>
SHAREHOLDERS' EQUITY		
Share Capital	122,939	122,816
Accumulated Losses	<u>(109,609)</u>	<u>(106,159)</u>
TOTAL SHAREHOLDERS' EQUITY	<u><u>13,330</u></u>	<u><u>16,657</u></u>