



NORTHERN STAR
RESOURCES LIMITED

Northern Star delivers on key performance forecasts with \$8.6m revenue in February

Highlights

- ▶ Key results for the month of February:
 - 6,316oz sold for revenue of \$8.6m
 - 6,105oz mined underground
 - 5,682oz poured
 - 5,483oz gold recovered
- ▶ 10,484oz contained in stockpiles, gold in circuit and gold in transit at the end of February
- ▶ Final \$2.5M acquisition payment completed
- ▶ \$6.3m in cash and bullion, debt-free and unhedged at 28/02/11
- ▶ Significant upgrade in Paulsens resource to 226,000ozs
- ▶ 2011 mine plan forecast to generate between \$20M and \$40M cash surplus

ASX ANNOUNCEMENT
09 MARCH 2011

Australian Securities Exchange
Code: NST

Board of Directors

Mr Chris Rowe
Non-Executive Chairman

Mr Bill Beament
Managing Director

Mr Michael Fotios
Non-Executive Director

Mr Peter Farris
Non-Executive Director

Ms Karen Brown
Company Secretary

Issued Capital

Shares
300 M
Options 78M (\$6.3M Funding)

Current Share Price
\$0.395

Market Capitalisation
\$118 million

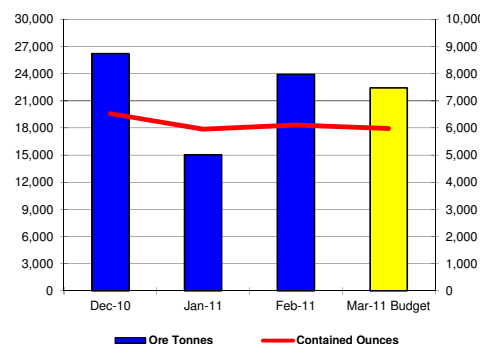
Projects

Paulsens
Ashburton
Golden Crown
Range
Emull

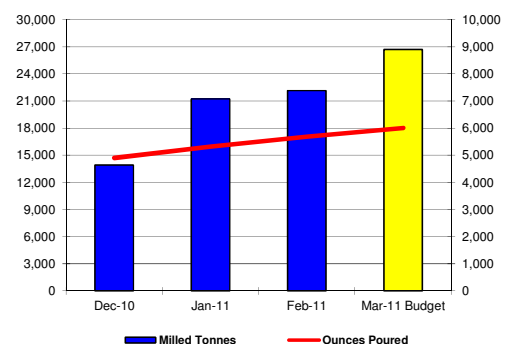
Commodities

gold
gold
gold
gold, silver
Zn, Cu, gold

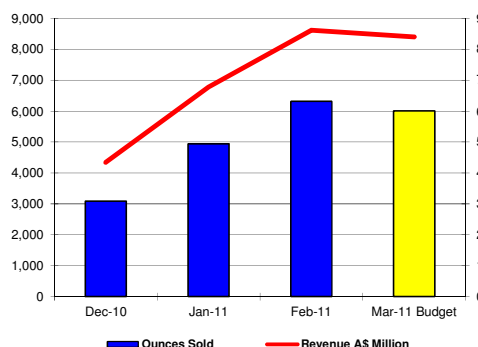
Operations - Underground



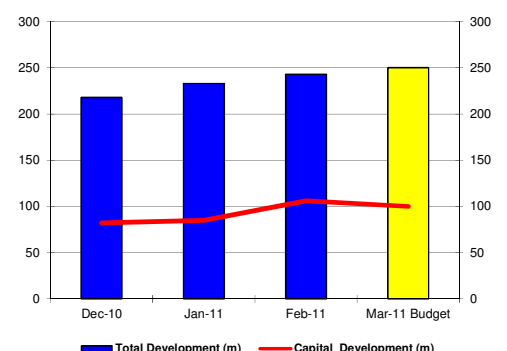
Operations - Processing



Gold Sales & Revenue



Operations - Development



Paulsens February 2011 - Key Performance Figures

| Paulsens | Units | Dec-10 | Jan-11 | Feb-11 | Mar-11Bud |
|---------------------------------------|---------------|---------------|---------------|---------------|------------------|
| Ore hoisted | Tonnes | 21,262 | 12,811 | 20,888 | 20,000 |
| Mined grade | g/t Au | 9.0 | 14.2 | 8.8 | 9.0 |
| Gold in ore hoisted | Oz | 6,164 | 5,864 | 5,916 | 5,819 |
| Low grade hoisted | Tonnes | 4,957 | 2,230 | 3,048 | 2,435 |
| Grade | g/t Au | 2.3 | 1.3 | 1.9 | 2.0 |
| Gold in low grade | Oz | 362 | 93 | 189 | 160 |
| Total ore hoisted | Tonnes | 26,219 | 15,041 | 23,936 | 22,435 |
| Mined Grade | g/t Au | 7.7 | 12.3 | 7.9 | 8.3 |
| Gold in ore hoisted | Oz | 6,526 | 5,957 | 6,105 | 5,980 |
| | | | | | |
| Milled Tonnes | Tonne | 13,909 | 21,222 | 22,146 | 26,700 |
| Head grade | g/t Au | 9.3 | 9.0 | 8.1 | 7.4 |
| Ounces Produced | Oz | 4,173 | 6,128 | 5,793 | 6,318 |
| Recovery | % | 92.6 | 86.7 | 94.7 | 95.0 |
| Gold Recovered | Oz | 3,866 | 5,314 | 5,483 | 6,002 |
| Ounces Poured | Oz | 4,898 | 5,319 | 5,682 | 6,002 |
| Ounces Sold | Oz | 3,089 | 4,946 | 6,316 | 6,002 |
| Average gold price | A\$/oz | 1,407 | 1,371 | 1,365 | 1,400 |
| Revenue | A\$Million | 4.3 | 6.8 | 8.6 | 8.4 |
| | | | | | |
| Ore high grade stockpile | Tonnes | 25,084 | 20,985 | 24,079 | |
| Stockpile grade | g/t Au | 8.0 | 9.2 | 8.5 | |
| Contained gold in stockpile | Oz | 6,472 | 6,209 | 6,605 | |
| Ore low grade stockpile | Tonnes | 18,038 | 15,336 | 14,042 | |
| Stockpile grade | g/t Au | 2.0 | 2.0 | 2.0 | |
| Contained gold in low grade stockpile | Oz | 1,160 | 986 | 916 | |
| Total Stockpiles contained gold | Oz | 7,632 | 7,195 | 7,521 | |
| Gold in circuit (GIC) | Oz | 1,617 | 1,613 | 1,414 | |
| Gold in transit (GIT) | Oz | 1,808 | 2,182 | 1,549 | |

ASX ANNOUNCEMENT 09 MARCH 2011



Northern Star Resources (ASX:NST) is pleased to advise that it has exceeded its latest key performance targets, posting revenue of \$8.6 million from the sale of 6316 ounces in February.

In what was an extremely solid month at its Paulsens Gold Mine in WA, Northern Star mined 6105oz and poured 5682oz.

The results put the Company firmly on track to deliver on the key performance benchmarks outlined in its 2011 mine plan earlier this week.

In the plan, Northern Star said it expected to generate surplus cash of \$20 million to \$40 million from the production of 60,000-75,000oz at Paulsens in 2011.

It also said that the JORC resource estimate at Paulsens had increased from 128,700oz to 226,000oz after allowing for mining depletion during 2010 of 71,000 oz, the majority of which was contained in the bigger-than-expected Voyager 1 lode.

No mineralisation from the recently discovered Voyager 2 lode was included in the revised estimate, though this lode is considered to have an exploration target of 100,000-250,000oz¹ based on drilling results so far.

Northern Star's total resource inventory now stands at 927,500oz, including the recently acquired Ashburton Gold Project in WA, which is within trucking distance of the Paulsens plant.

Mining at Paulsens in the month of February produced 6105oz from 23,936 tonnes at 7.9g/t, including 3048 tonnes of low grade ore at 1.9g/t.

At the end of February, Northern Star had \$6.3 million in cash and bullion, no bank debt and was unhedged. It paid the last \$2.5 million in production-based royalty payments on the \$40 million acquisition of Paulsens, leaving the Company ideally placed to grow its cash balance further.

At the end of the month, the Company had 10,484oz contained in stockpiles, gold in circuit and gold in transit.

Northern Star Managing Director Bill Beament said the February results showed the Company was well on track to meet or beat the forecasts contained in its new mine plan.

"These results show that Northern Star can generate surplus cash of \$3 million or more a month," Mr Beament said. "When combined with its growing resource inventory and substantial exploration upside, the Company is progressing rapidly towards its goal of being a mid-tier mining house."

Yours faithfully,

A handwritten signature in black ink that reads "Bill Beament".

Bill Beament
Managing Director
Northern Star Resources Ltd

Competent Persons Statements

The information in this announcement that relates to Paulsens mineral resource estimation, exploration results, data quality, geological interpretations, potential for eventual economic extraction and estimates of exploration potential, is based on information compiled by or under the supervision of Brook Ekers, (Member AIG), who is a full-time employee of Northern Star Resources Ltd. Mr. Ekers 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 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves".

The information in this announcement that relates to the Ashburton gold project mineral resource estimation, exploration results, data quality, geological interpretations and potential for eventual economic extraction, is based on information compiled by or under the supervision of Mike Doepel, (Member AusIMM), who is a full-time employee of Sipa Resources Limited. Mr Doepel have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Persons as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Doepel consent to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

Forward Looking Statements

Northern Star Resources Limited has prepared this announcement based on information available to it. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this announcement.

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1 Exploration Potential

The information in this announcement that relates to exploration and production targets refers to targets that are conceptual in nature, where there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource. The information on exploration targets in this presentation are based on a conceptual range of targets as follows:

Tonnage range: 350,000 to 600,000 tonnes

Grade range: 9 g/t Au to 13 g/t Au

Ounces: 100,000 to 250,000

| 31 December 2010 | Indicated | | Inferred | | Total | | |
|--------------------------|------------------|----------------|------------------|----------------|------------------|----------------|-----------------|
| | Tonnes (,000) | Grade (g/t) | Tonnes (,000) | Grade (g/t) | Tonnes (,000) | Grade (g/t) | Oz Au (,000) |
| Open Pit | 471 | 2.9 | 200 | 3.3 | 671 | 3.0 | 64.5 |
| Paulsens Upper Levels | 110 | 7.5 | 23 | 5.0 | 133 | 7.1 | 30.2 |
| Voyager 1 | 230 | 9.9 | 234 | 6.3 | 464 | 8.1 | 120.2 |
| Paulsens Stockpiles | 43 | 5.5 | | | 43 | 5.5 | 7.6 |
| GIC and CIT ² | | | | | | | 3.4 |
| Total | 811 | 5.5 | 457 | 4.9 | 1268 | 5.3 | 226 |

Table 1 - Paulsens Resources @ 3.0g/t Au Lower Cut-Off Underground and 1.2g/t Au Lower Cut-Off Open Pit (Rounding errors apparent,²GIC/GIT represent gold in circuit and transit)

| | Measured | | | Indicated | | | Inferred | | | Total | | |
|------------------------|------------------|----------------|-----------------|------------------|----------------|-----------------|------------------|----------------|-----------------|------------------|----------------|-----------------|
| | Tonnes (,000) | Grade (g/t) | Oz Au (,000) | Tonnes (,000) | Grade (g/t) | Oz Au (,000) | Tonnes (,000) | Grade (g/t) | Oz Au (,000) | Tonnes (,000) | Grade (g/t) | Oz Au (,000) |
| Oxide and Transitional | 611 | 2.40 | 47 | 342 | 2.52 | 28 | 237 | 2.28 | 18 | 1,189 | 2.41 | 92 |
| Sulphide | 901 | 2.83 | 82 | 1,070 | 2.66 | 92 | 3,984 | 3.14 | 402 | 5,956 | 3.01 | 576 |
| Total | 1,512 | 2.66 | 129 | 1,412 | 2.63 | 119 | 4,221 | 3.09 | 420 | 7,145 | 2.91 | 668 |

Table 2 - Ashburton Resources @ 0.9g/t Au Lower Cut-Off