



NORTHERN STAR  
RESOURCES LIMITED

# More high-grade hits boost plan to lift production to 100,000ozpa

## Highlights

- ▶ **High-grade results highlight value of recently-discovered fault offset limb extension adjacent to the Paulsens' Voyager 1 lode**
- ▶ **Additional mineralisation will help underpin planned production rise to 100,000ozpa at Paulsens**
- ▶ **Significant results include;**
  - **5.0 m @ 16.4 g/t gold** (true width 3.9m, 765mRL UZ)  
*including 1.15m @ 44.5 g/t gold*
  - **3.2 m @ 12.3 g/t gold** (true width 3.1m, 747mRL UZ)
  - **4.5 m @ 9.5 g/t gold** (true width 2.7m, 740mRL UZ)
  - **4.6 m @ 9.6 g/t gold** (true width 2.1m, 738mRL UZ)
  - **3.0 m @ 6.3 g/t gold** (true width 2.7m, 740mRL UZ2)
- ▶ **Development of the offset limb mineralisation due to commence in coming months**
- ▶ **Offset limb remains open up and down plunge**

Northern Star Resources Ltd (ASX: NST) is pleased to advise that its plan to grow production to 100,000 ounces a year has been given a boost, with more high-grade drilling results coming from a recently discovered fault offset limb which runs parallel to the main Voyager One lode at the Paulsens Gold Mine In WA.

This mineralisation is outside the existing mine plan at Paulsens and therefore will help underpin increases in production and mine life.

Northern Star is targeting an increase in production at Paulsens from ~80,000ozpa now to 100,000ozpa. It aims to produce a further 100,000ozpa at its neighbouring Ashburton Project.

As well as adding to the key performance forecasts, the results are considered important because they highlight the significant potential to find additional gold mineralisation within the existing Paulsens mine area which has been exposed to little or no exploration and evaluation.

ASX ANNOUNCEMENT  
25 NOVEMBER 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  
351 M

Options 25.5M

Current Share Price  
\$0.825

Market Capitalisation  
\$290 million

Cash in Bank: 30 September 2011  
\$31.4 million

### Projects

Paulsens  
Ashburton  
Golden Crown  
Range  
Emull

### Commodities

gold  
gold  
gold  
gold, silver  
Zn, Cu, gold

The new high grade zone is a fault offset of the Voyager One lode immediately adjacent to the area currently being mined. This means it can be included in the 2012 mine plan easily and quickly (refer to Figure 1). Full results are attached in the accompanying table.

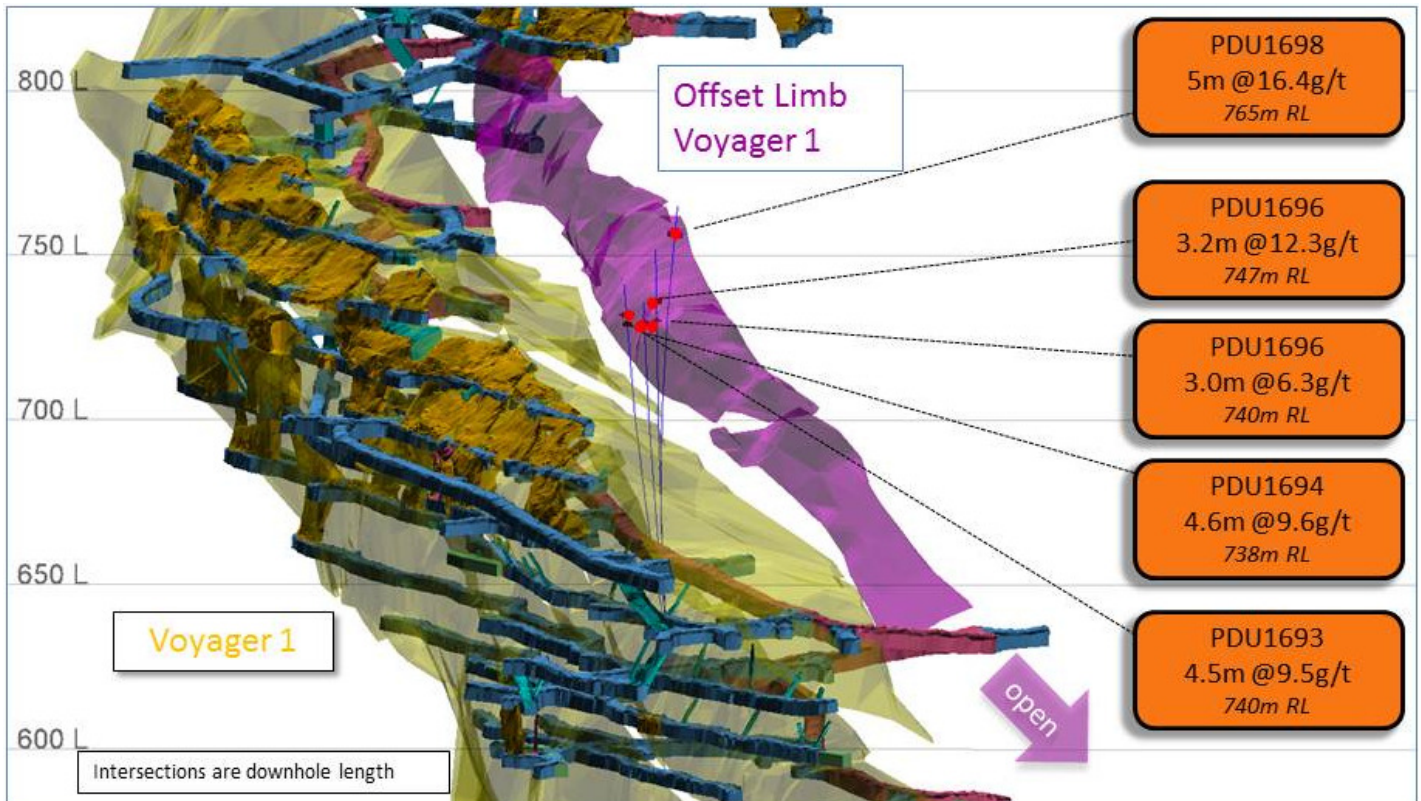


Figure 1 - High grade drilling in un-development resource outline of the upper zone offset limb

As part of the 100,000oz per annum expansion strategy, the mine will take delivery of a second development jumbo in December. Once this unit arrives, development out to the offset limb will commence.

Northern Star Managing Director Bill Beament said the latest results continued to highlight the exploration potential at Paulsens, not just at depth, but within the immediate surrounds and, more importantly, in the upper levels where the capital infrastructure has already been spent.

"These are great results by any standards but they are particularly valuable in this case because the mineralisation can be cheaply and easily mined, providing a rapid boost to production and cashflow," Mr Beament said.

Yours faithfully,



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". Mr Ekers consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

### Forward Looking Statements

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<b>OFFSET LIMB VOYAGER ONE DRILLING</b>						
Hole #	Downhole Intersection (m)	Est. True Thickness (m)	Grade (g/t) cut to (100g/t)	gram/m	Ore zone and comments	RL of intersection
PDU1692	0.9	0.4	4.7	1.9	ECHO LZ	713mRL
PDU1692	3.0	1.6	2.4	3.9	ECHO UZ2	740mRL
PDU1692	1.0	0.9	7.0	6.3	ECHO UZ	750mRL
PDU1695	1.5	0.9	1.0	0.9	ECHO UZ2	741mRL
PDU1695	0.4	0.3	16.5	5.1	ECHO UZ	750mRL
PDU1693	0.3	0.2	2.9	0.5	ECHO UZ2	728mRL
PDU1693	0.8	0.5	1.7	0.8	ECHO UZ	733mRL
PDU1693	0.5	0.3	2.4	0.7	ECHO UZ	740mRL
<b>PDU1693</b>	<b>4.5</b>	<b>2.7</b>	<b>9.5</b>	<b>25.4</b>	<b>ECHO UZ</b>	<b>740mRL</b>
PDU1693	0.3	0.2	4.3	0.8	ECHO UZ SPLAY1	746mRL
PDU1693	0.5	0.3	2.1	0.6	ECHO UZ SPLAY1	747mRL
PDU1694	1.2	0.5	0.9	0.5	ECHO LZ	706mRL
PDU1694	0.7	0.3	1.7	0.5	ECHO UZ2	717mRL
PDU1694	1.2	0.5	2.7	1.3	ECHO UZ2	724mRL
<b>PDU1694</b>	<b>4.6</b>	<b>2.1</b>	<b>9.6</b>	<b>19.7</b>	<b>ECHO UZ</b>	<b>738mRL</b>
PDU1694	1.0	0.4	1.2	0.5	ECHO UZ SPLAY1	741mRL
PDU1696	1.2	1.1	8.1	9.1	ECHO LZ	695mRL
PDU1696	0.8	0.7	1.7	1.3	ECHO UZ2	706mRL
PDU1696	1.0	0.9	1.9	1.7	ECHO UZ2	715mRL
PDU1696	1.0	0.9	1.9	1.7	ECHO UZ2	716mRL
PDU1696	0.9	0.9	3.4	3.0	ECHO UZ2	724mRL
<b>PDU1696</b>	<b>3.0</b>	<b>2.7</b>	<b>6.3</b>	<b>16.9</b>	<b>ECHO UZ2</b>	<b>740mRL</b>
PDU1696	0.2	0.2	4.3	0.8	ECHO UZ	742mRL
<b>PDU1696</b>	<b>3.2</b>	<b>3.1</b>	<b>12.3</b>	<b>37.7</b>	<b>ECHO UZ</b>	<b>747mRL</b>
PDU1697	0.5	0.2	7.5	1.5	ECHO LZ	700mRL
<b>PDU1698</b>	<b>5.0</b>	<b>3.9</b>	<b>16.4</b>	<b>64.5</b>	<b>ECHO UZ</b>	<b>765mRL</b>
PDU1698	0.5	0.4	3.9	1.4	ECHO LZ	739mRL

PDU1699	0.6	0.3	3.7	1.2	ECHO LZ	698mRL
PDU1699	0.4	0.2	8.4	1.8	ECHO UZ	715mRL

At a nominal 3g/t lower cut off and a 100g/t upper cut off

NSR means no significant result

**Quality Control - Paulsens**

All core is logged and whole core samples (if LTK60 size, NQ2 sized core is cut and half cored) are marked and prepared for shipping at the Paulsens Mine Property and sent to an independent Laboratory for assay. The remaining half core is stored on site. All samples from which information in this document is derived were received by ALS Chemex – Australian Laboratory Services Pty ('ALS') Limited in Karratha, Western Australia. Samples are weighed and crushed to 70% passing -6mm mesh. The crushed material is split and a portion is pulverised. A 100-gram pulp is sent to ALS Perth, Western Australia for assay. A 30-gram portion of the pulp is treated by fire assay method with atomic absorption finish (Au-AA25). A second pulp sample split (150-200 g) is kept in Karratha. Sample rejects are discarded after 90 days.

Limit samples (>100 grams per tonne gold) are re-analysed using ALS' dilution method (Au-DIL). Northern Star Resources inserts one standard in each hole, and one blank is now inserted in each ore zone. Laboratory standards and blanks are inserted by ALS and several pulp duplicates are also assayed as a determinant of mineralisation variability.

ALS has AS/NZS ISO 9001:2000 certification in Perth. This does not cover the sample preparation facilities; however these preparation laboratories follow the same quality management system. They are not audited by NCSI but are audited internally by ALS.