

Northern Star Resources An Australian mid-cap gold miner – for global investors

Disclaimer



Competent Persons Statements

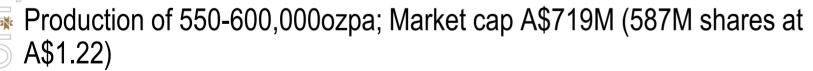
The information in this announcement that relates to mineral resource and reserve estimations, exploration results, data quality, geological interpretations and potential for eventual economic extraction, is based on information compiled by Brook Ekers (Member Australian Institute of Geoscientists), who is a full-time employee of Northern Star Resources Limited. 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 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" for the Group reporting. Mr Ekers consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears.

Forward Looking Statements

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A global mid-cap gold miner

Second-biggest ASX-listed gold miner by production and market cap





Five operating mines, all in Western Australia

Grown from one mine and 100,000ozpa in past year

Acquired Jundee from Newmont Mining; Plutonic, Kundana and Kanowna Belle from Barrick Gold all in 2014

Total JORC Resources-Reserves of 6.2Moz

A\$50M exploration/drilling budget for FY15 to grow mineral inventory

Fully-franked dividend of A3.5c for FY14, ~3.9% gross yield

Cash and investments A\$83M; bank debt A\$50M (as at Sep, 2014)







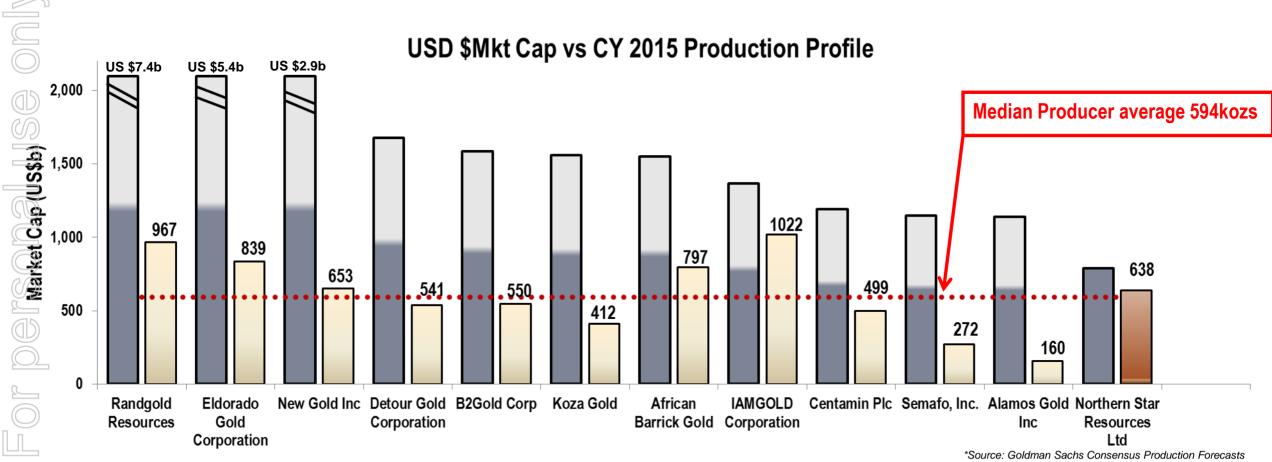




A global mid-cap gold miner



NST has a production profile that now positions the Company as a true global mid-cap gold miner



A story just getting started



▼ The market has rewarded NST with outperformance from optimising it assets and value adding M&A

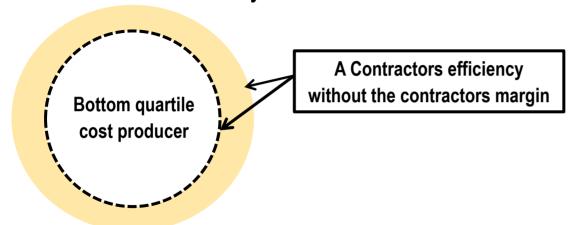


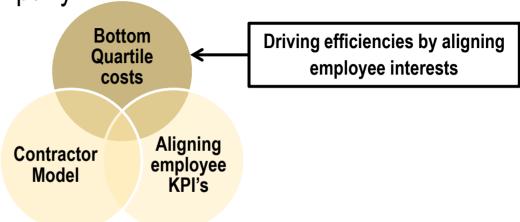
The Northern Star team



- * There is one ingredient in the NST recipe that is more important than our projects: our people
 - We built our team before we built our asset base
 - Our contracting backgrounds give us a crucial advantage in the operational and recruitment area
 - This team give us a huge M&A advantage because we have intimate knowledge on the running of these projects and many others through out Australia
 - We have the team, because we know who the stars are; we've worked alongside them, and our team knows the mines because they've worked at them.
 - We are committed to having the best operating team in the Australian gold mining industry

The team is backed by a Board that owns 5% of the Company



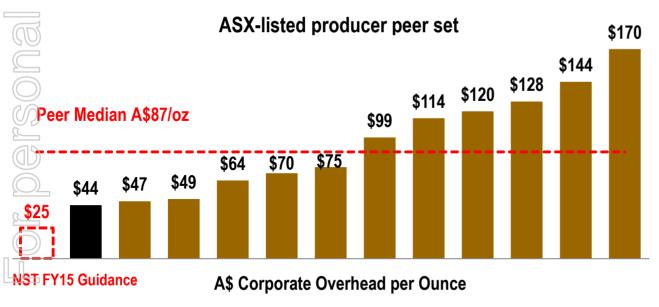


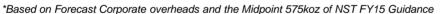
Growth within the right corporate structure

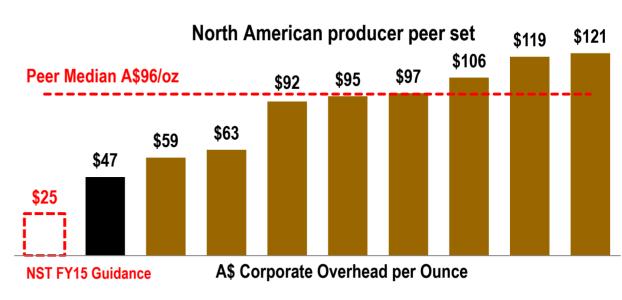


NST has been able to grow production whilst maintaining a low level of corporate overheads when compared to its ASX and North American peer group

NST has paid out over A\$45M to shareholders since July 2010



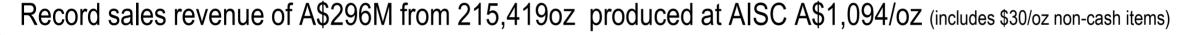




*Based on Forecast Corporate overheads & the Midpoint 575koz of NST FY15 Guidance

Company highlights for the Year to 30 June 2014





Underlying Net Profit: A\$38.6M including one offs; acquisition costs A\$7.4M and redundancies A\$7.2M

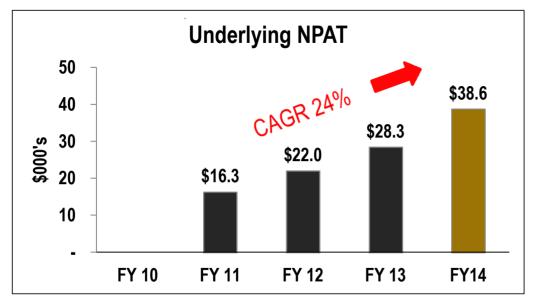
Cash flow from operating activities of: A\$98.7M generating Company free cash flow of A\$48.7M

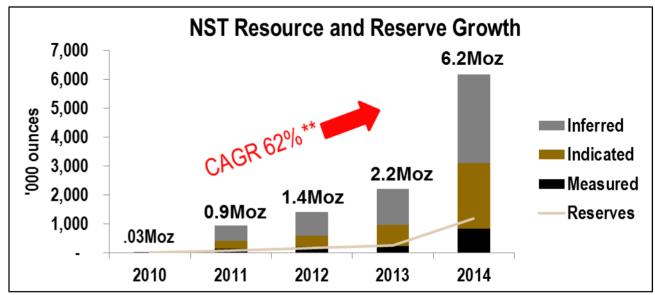
Dividend: Final 2.5c fully franked, taking full-year payout to 3.5c ~3.9% gross yield

Cash and Equivalents on hand at Sep 14: A\$83M, Debt: A\$50M

Total Resource inventory: 6.2Moz, up 182% from 2.2Moz at 30 June 2013

June Qtr record production of 115,000oz at an AISC of A\$1,032/oz, this does not include Jundee's 75,000oz



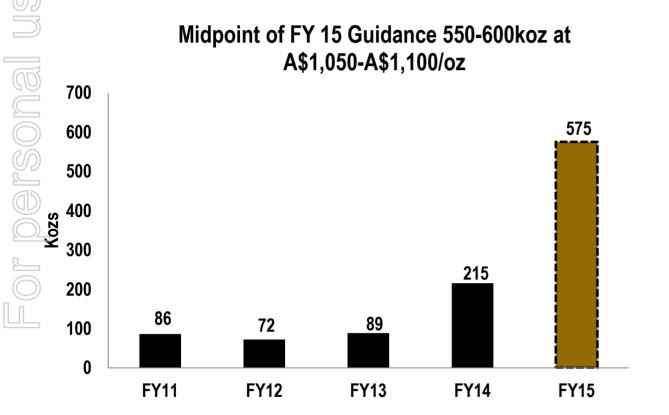


FY15 guidance - the growth continues

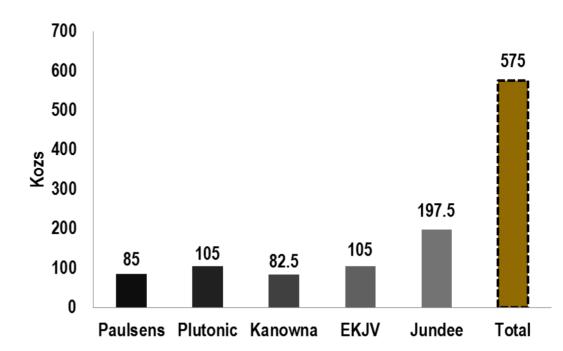


FY15 Forecast of 550koz to 600koz at an AISC of A\$1,050-\$1,100/oz

Capital Expenditure of A\$100M-A\$110M, 95% of which will be spent on sustaining capital and ~A\$5M to bring the Pegasus deposit into production



Mid point of FY 15 Production by site



Jundee: still one of Australia's best mines

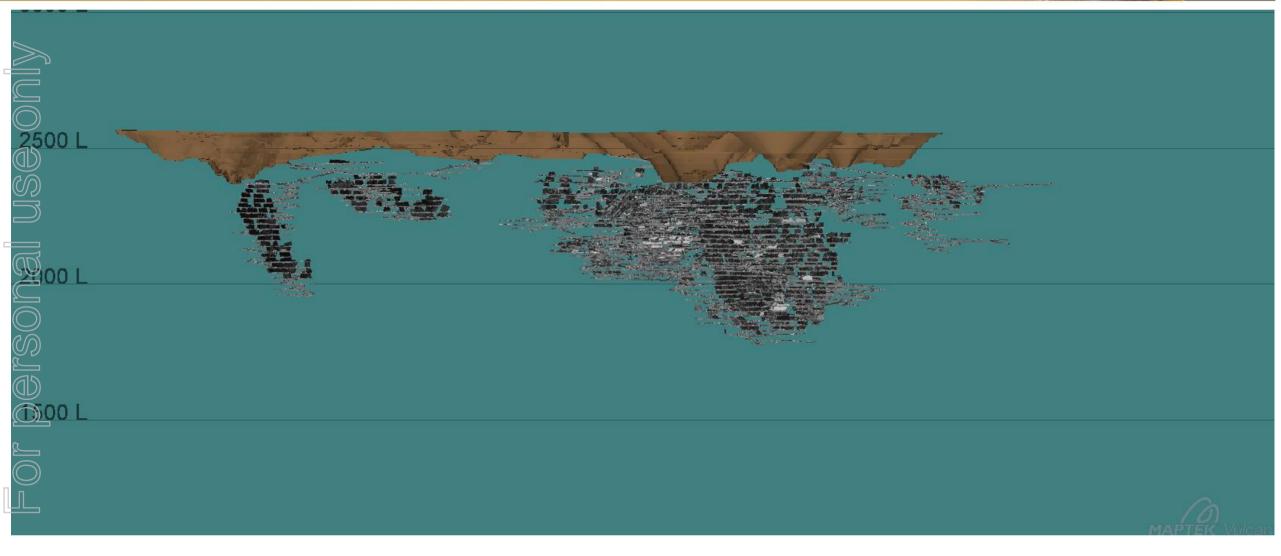


- Purchased from Newmont for A\$82.5M
- First production in 1995; consistent production with
 - 6.1Moz to date
 - Last 5 years free cash flow generation of A\$1.3B
 - Resources just increased by 68% to 851,000oz at
 - 6.8gpt, supporting at least 4 year mine-life
 - Reserves over the past six months were only depleted by 28,000oz even though 138,000oz was produced
 - Zero bedding down issues with 23,400oz poured in July
- FY2015 guidance 190,000-205,000oz at AISC of A\$1,000-1,050/oz
 - Extensive "unclassified" mineralisation remains throughout the mine



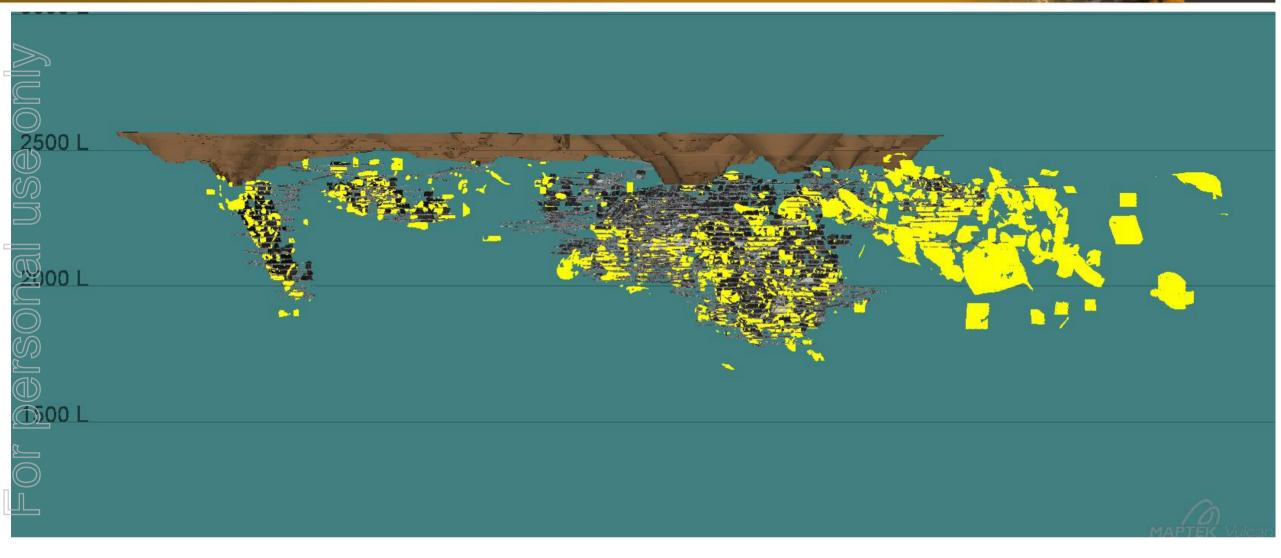
Jundee: still one of Australia's best mines





Jundee: unmined resource shapes above cut-off grade



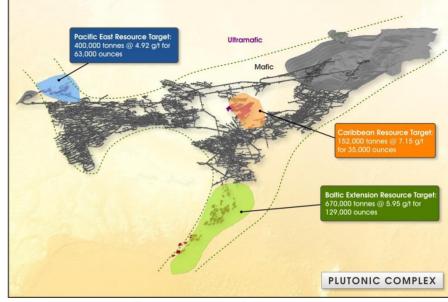


Plutonic: 24 years young

NORTHERN STAR

- Purchased from Barrick Gold for A\$25M, settled Feb 2014
- Located in the Upper Murchison region of WA
- First production in 1990; consistent production with 5.3Moz to date
- Tier One infrastructure; replacement cost A\$250M
- FY2015 guidance 100,000-110,000oz at AISC of A\$1,250-
- Resources of 1.45Moz, supporting 5-7 year mine-life
- Numerous opportunities to grow inventory through conversion of resources to reserves (historic conversion rate of 50%)
- Deepest part of the mine is 700m with the centroid of mining 400-≤ 500 metres below surface
- Substantial productivity gains 30-40% achieved very quickly
- Costs cut with further reductions to come
- Bulk testing underway to improve recoveries

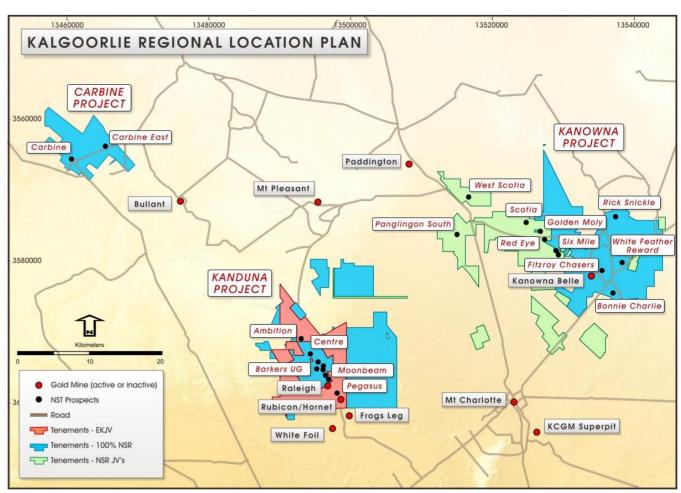




Kanowna Belle: a great Goldfields address



- ▶ Part of the 2nd purchase from Barrick Gold for
 - A\$75M, settled 1 March 2014
- Located 18km north-east of Kalgoorlie in WA
- First production in 1994; total production of
 - 4.8Moz (Dec 2013), consistent production
 - FY2015 guidance 80,000-85,000ozpa at AISC of
 - A\$1,100-A\$1,150/oz
 - Resources 1.1Moz at 4.4gpt
 - Key opportunities have quickly developed;
 - 1.8Mtpa processing plant, great infrastructure with surplus capacity which will soon be the only operational refractory ore processing plant in WA
 - ★ 204sqkm of highly prospective exploration acreage just 15km from the famed Golden Mile



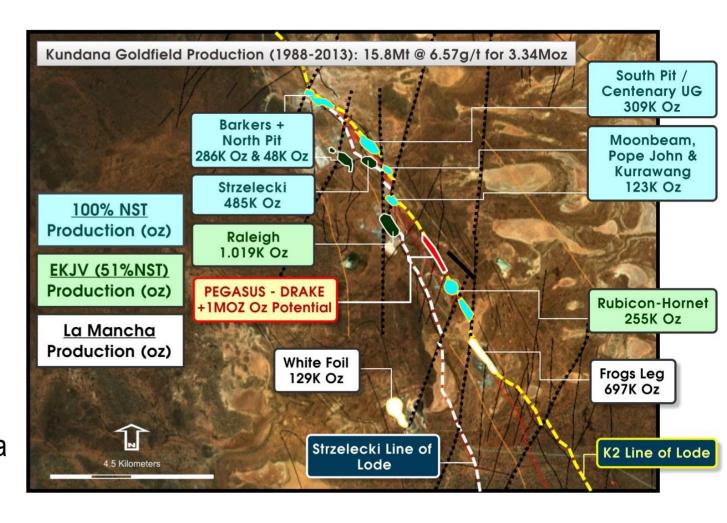
Inherited A\$1.3B geological database



Kundana: a corridor of riches

NORTHERN STAR

- Part of the 2nd purchase from Barrick Gold for A\$75M, settled 1 March 2014
- Located 20km west of Kalgoorlie
- First production mid-1990s; total production of 2.5Moz (Dec 2013)
- FY2015 guidance 100,000-110,000oz at AISC of A\$800 A\$850/oz
- Resources of 687,000oz at 13.2gpt
- Comprises 3 producing deposits: Raleigh,
 - Rubicon and Hornet
- Also hosts the rich Pegasus discovery due to be in full production Q4 FY2015 at 50,000ozpa
- ▶ Pegasus capex A\$5M to bring into production

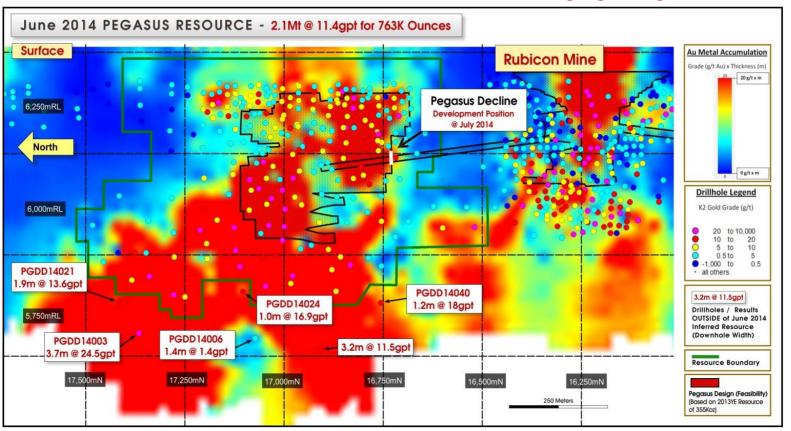


*All numbers are NST's share of the joint venture

Pegasus: the jewel in the Kundana crown



Pegasus has potential for +1Moz resource and is one of Australia's best high-grade gold discoveries in the past 10yrs



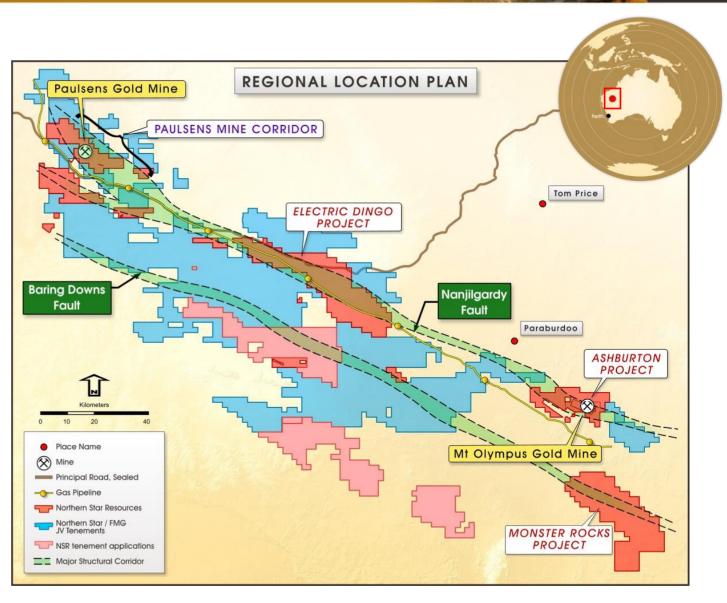


- ▶ Pegasus offers significant growth potential, resource of 763koz @ 11.4gpt, discovered 18 months ago
- ★ Recent drilling has intersected visible gold at 750mbs and over 150m deeper than the current resource
- ★ Pegasus set for long mine life, with Kundana's historical conversion rate from resource to reserve running at ~80%
- * Pegasus remains open at depth and along strike, highlighting significant potential for further resource increase

Paulsens: the cornerstone



- Located in the Ashburton region of WA
 - First production in 2005; Total production to date of 700Koz
 - June 2014 quarter was a site record
 - FY2015 guidance 80,000-90,000oz at AISC of A\$1,100-\$1,150/oz
 - Strong track record of increasing productivity and production
 - Resources of +400,000oz, supporting 5 year mine life
 - Key Voyager lodes open at depth
- Strong near-mine and regional exploration results to drive further life
 - ★ High-grade Titan discovery in 2013
 - New Galileo structure discovered 2014



It's all about mine life extension



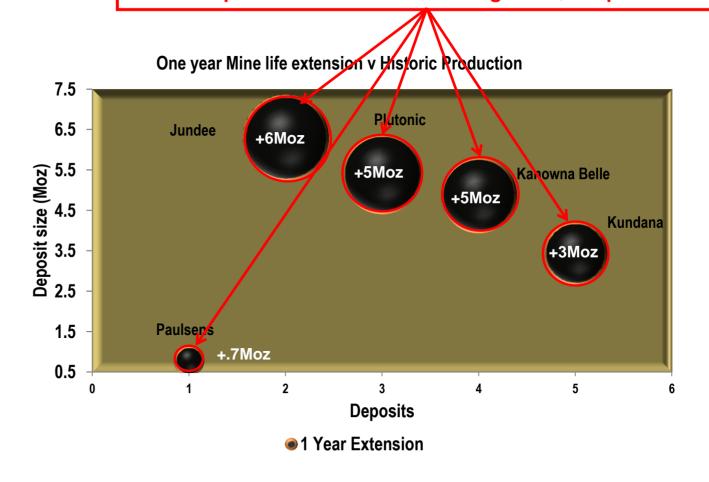
Our five assets have produced 20M ounces to date and at current production levels of 600,000ozpa it is the equivalent of a 3% reserve depletion

Aggressive group exploration/drilling budget of A\$50M for 2014-15

This reflects our strong belief that there is an enormous amount of high-grade, highly profitable gold to be found in and around our projects

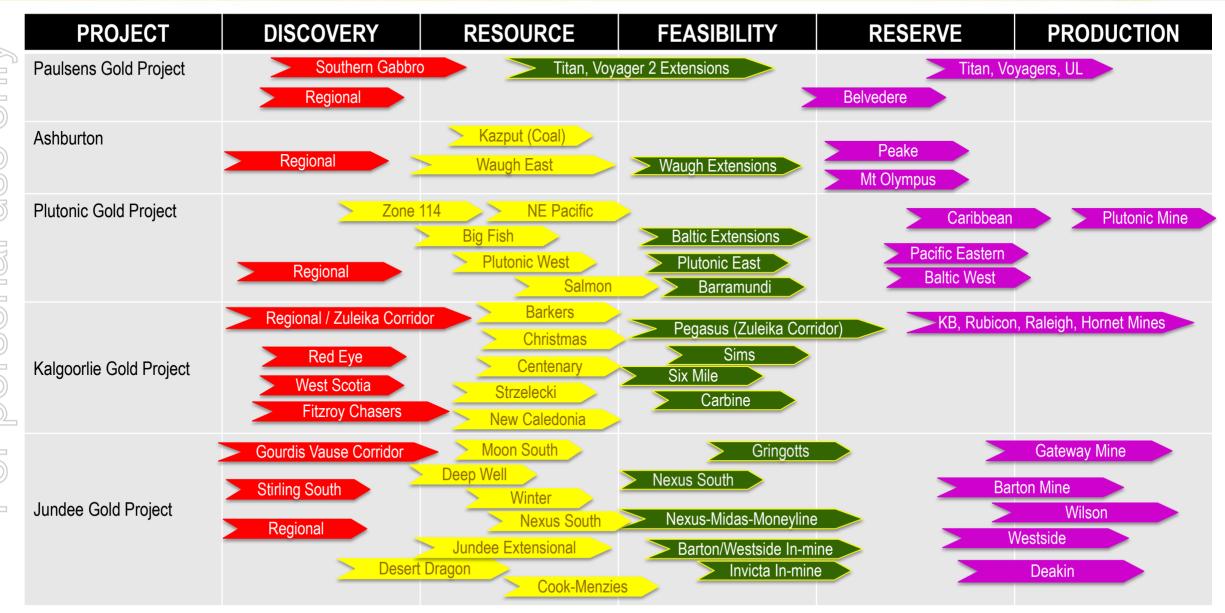
Broker polled mid-range consensus estimates, for every extra year of mine life add A\$0.30cps to our valuation (24cps to 38cps)

A 3% increase in mineable ounces over previous production equates to a consensus average of A\$0.30ps



Emerging pipeline – 84 targets in 2014-2015





Active broker coverage list



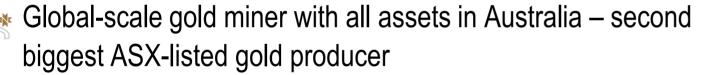
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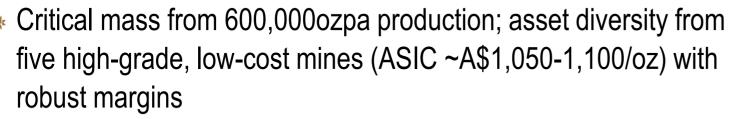
Broker	Date	Target Price	Recommendation
Goldman Sachs	28-Aug-14	\$1.34	Neutral
Macquarie	28-Aug-14	\$1.95	Outperform
Hartleys	1-Aug-14	\$1.93	Buy
Baillieu	1-Aug-14	\$1.57	Hold
Canaccord	28-Aug-14	\$2.14	Buy
Paterson's	16-Sep-14	\$1.34	Hold
Ord Minnett	02-Sep-14	\$1.52	Hold
Argonaut	19-Sep-14	\$1.40	Hold
RBC	18-Sep-14	\$1.80	Outperform
Average		\$1.67	

* Source: Bloomberg (accessed 23 Sept 2014)

Why invest in Northern Star









Steady and consistent dividends

Intensive campaign underway to grow mine life at each project

Strong balance sheet with A\$83M cash and investments; bank debt A\$50M

Strong management team with a track record of maximising productivity and delivering on guidance

Completely driven by Shareholder returns, not ounces and tonnes





ASX Code: NST

For pers





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September 2014

Team with a track record



	Sh	ares	Options			
Total	58	87M	1.5M			
* As at 23 September 2	014					
Share price:			A\$1.2	2		
Market Capitali	sation (ASX :	NST) ASX 200				
Undiluted		~A\$719M				
Cash, Bulli	A\$83M					
Debt (01 Sep		A\$50M				
Substantial Sh	areholders	BlackRock	13.2%			
		Van Eck	10.9%))		
		Institutions		54%		
		Board & Manag	5%			
		High Net Wortl	15%			
		Retail	26%			

Board - Successful record in discovering and developing mines						
BILL BEAMENT	Managing Director (Mining Engineer)					
CHRIS ROWE	Non-Executive Chairman – Independent (Barrister and Solicitor)					
PETER O'CONNOR	Non-Executive Director – Independent (Investment Fund Management)					
JOHN FITZGERALD	Non-Executive Director – Independent (Resources Finance and Banking)					
DISCIPLINES TO OPERATE A MINING BUSINESS ARE COVERED						
Senior Management						
STUART TONKIN	Chief Operating Officer					
RAY PARRY	Chief Financial Officer					
LIZA CARPENE	Company Secretary					
DARREN STRALOW	General Manager Business Development					
PHIL TORNATORA	General Manager Exploration					
MANAGEMENT CAPACITY TO CATER FOR COMPANY GROWTH						

Appendix – Resource & Reserve Statement



GOLD MINERAL RESOU			_						-			_
As at 30 June 2014	Tonnes	ASURED (N Grade	M) Ounces	IN Tonnes	DICATED (Grade	I) Ounces	IN Tonnes	FERRED (I Grade	nt) Ounces	Tonnes	TAL (MI&I Grade	nt) Ounces
Based on attributable ounces	(000's)	Grade (gpt)	(000's)	I onnes (000's)	Grade (gpt)	(000's)	I onnes (000's)	Grade (gpt)	(000's)	Ionnes (000's)	Grade (gpt)	(000's)
PAULSENS GOLD PROJECT	(0000)	(9P)	(0000)	(0003)	(9P1)	(0000)	(0000)	(994)	(0000)	(0000)	(9P1)	(0000)
Surface												
	-	-	-	741	2.8	66	1,017	2.0	67	1,758	2.4	133
Underground												
	462	9.0	134	246	10.6	84	215	6.5	45	923	8.9	263
Stockpiles	161	2.9	15	-	-	-	-	-	-	161	2.9	15
GIC	-	-	3	-	-	-		-	-	-	-	3
Subtotal Paulsens	623	7.6	152	987	4.7	150	1,232	2.8	112	2,842	4.5	414
Subtotal Paulseris	023	7.0	152	907	4.7	150	1,232	2.0	112	2,042	4.5	414
ASHBURTON GOLD PROJECT												
Surface												
	-	-	-	7,104	2.4	546	14,227	2.5	1,122	21,331	2.4	1,668
Subtotal Ashburton	-	-	-	7,104	2.4	546	14,227	2.5	1,122	21,331	2.4	1,668
PLUTONIC GOLD PROJECT												
Underground												
Plutonic East	33	6.7	7	89	6.4	18	724	5.8	136	846	5.9	161
Plutonic Mine	563	6.1	110	2,367	6.0	460	4,398	5.0	710	7,327	5.4	1,279
Stockpiles	15	3.6	2	2,001	0.0	100	1,000	0.0		15	3.6	2
Gold in Circuit			4									4
Subtotal Plutonic	611	6.3	123	2,456	6.1	478	5,121	5.1	845	8,188	5.5	1,446
KALGOORLIE GOLD PROJECT												
Kanowna Belle												
Surface							433	2.8	38	433	2.8	38
Underground	1,741	4.8	269	2,875	4.9	455	2,037	4.7	305	6,653	4.8	1,029
Stockpiles	66	3.9	8	793	1.0	24	2,001		000	859	1.2	32
Gold in Circuit			15									15
Subtotal KB	1,807	4.8	277	3,668	4.1	479	2,470	4.3	344	7,945	4.4	1,115
East Kundana Joint Venture												
Surface Hornet Pit (51%)				0.0	2.0	40	2	4.0	0	00	2.0	40
Underground				86	3.6	10	2	1.6	0	88	3.6	10
Raleigh (50%)	30	67.4	65	9	41.5	12	17	47.5	25	56	57.3	102
Rubicon-Hornet (51%)	71	24.0	55	134	16.0	69	209	9.0	61	413	13.8	184
Pegasus (51%)	-			715	11.9	273	346	10.5	116	1,060	11.4	389
Stockpiles	4	15.6	2							4	15.6	2
Subtotal EKJV	105	36.1	121	943	12.0	364	572	11.0	202	1,620	13.2	687
Subtotal Kalgoorlie	1,912	6.7	413	4,611	5.7	843	3,042	5.6	546	9,565	5.9	1,802
JUNDEE GOLD PROJECT												
Underground												
3	313	8.5	86	1,099	7.6	267	1,641	8.6	454	3,053	8.2	807
Stockpiles	1,107	1.1	40							1,107	1.1	40
Gold In Circuit			4									4
	1,420	2.8	130	1,099	7.6	267	1,641	8.6	454	4,159	6.4	851
TOTAL RESOURCES	4,565	5.6	818	16,257	4.4	2,283	25,263	3.8	3,079	46,085	4.2	6,181
	-1,000	0.0	0.0	10,201		2,200	20,203	0.0	0,0.0	40,000		0,.01

GOLD MINERAL RESERVES As at 30 June 2014		PROVED		PROBABLE			PROVED and PRO	BABLE	
	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounce
Based on attributable ounces	(000's)	(gpt)	(000's)	(000's)	(gpt)	(000's)	(000's)	(gpt)	(000)
PAULSENS GOLD PROJECT									
Surface									
Paulsens Belvedere		- :	- :	424 129	2.3 3.2	31 13	424 129	2.3 3.2	3
Jnderground		-		129	3.2	13	129	3.2	
Upper Paulsens	1	7.7	0	108	5.3	19	109	5.4	1
ager (Voy1, Voy2, Titan)	121	5.3	20	117	5.9	22	238	5.6	4
Stockpiles	161	2.9	15		-		161	2.9	
Sold in Circuit			3				-	2.0	
Subtotal Paulsens	282	4.2	39	779	3.4	85	1,061	3.6	13
ASHBURTON GOLD PROJECT Surface									
Mt Olympus	248	3.6	29	113	3.6	13	361	3.6	
Peake			-	47	5.3	8	47	5.3	
Subtotal Ashburton	248	3.6	29	160	4.1	21	408	3.8	
PLUTONIC GOLD PROJECT									
Jnderground									
Plutonic East	35	5.3	6	101	4.8	16	136	5.0	
Plutonic Mine	204	6.3	42	212	6.4	44	416	6.4	
Stockpiles	15	3.6	2				15	3.6	
Gold in Circuit	15	3.0	4				15	3.0	
Subtotal Plutonic	254	6.5	53	313	5.9	60	566	6.2	1
Kanowna Belle Surface									
Jnderground	99	4.5	14	1,115	5.0	178	1,214	4.9	19
Stockpiles	66	3.9	8	793	1.0	24	859	1.2	
Gold in Circuit			15				-		
Subtotal KB	165	7.0	37	1,908	3.3	203	2,073	3.6	2
East Kundana Joint Venture									
Surface									
Hornet Pit (51%)					-		-	-	
Jnderground									
Raleigh (50%)	83	13.2	35	3	2.4	4	86	14.1	
Hornet/Rubicon (51%)	129	14.4	60	159	9.9	51	288	11.9	1
Pegasus (51%) Stockpiles	4	15.6	2	403	9.8	127	403 4	9.8 15.6	1
•									
Subtotal EKJV	216	14.0	97	565	10.0	181	781	11.1	2
Subtotal Kalgoorlie	381	10.9	134	2,473	4.8	384	2,854	5.6	5
UNDEE GOLD PROJECT									
Inderground									
	293	8.6	81	1,080	7.4	258	1,373	7.7	3
Stockpiles									
Underground Gold in Circuit	1,107	1.13	40 4				1,107	1.1	
Subtotal Jundee	1,400	2.8	125	1,080	7.4	258	2,480	4.8	3
	1,700	2.0	123	1,000	7.4	200	2,460	4.0	3
OTAL RESERVES	2,564	4,60	380	4,805	5,23	808	7,369	5.0	1,1
	2,004	4.00	000	4,000	0.20	003	,,000	0.0	•,

- Mineral Reserves are reported at the following gold prices of AUD \$1450 . Jundee is the exception at AUD \$1415
- 2. Tonnages include allowances for losses resulting from mining methods with tonnages rounded to the nearest 1,000 tonnes;
- Ounces are estimates of metal contained in the Mineral Reserve and do not include allowances for processing losses.
- 4. Numbers are 100 % NST Share(Attributable noted to East Kundana Joint Venture (EKJV-Rand Mining Limited and Tribune Resources Limited for tonnes and

Table 2 - Northern Star's Reserves as at 30 June 2014

^{1.} Mineral Resources are reported at various gold price guidelines (a. \$1850-Paulsens, EKJV b.\$1650- Plutonic, Kanowna c.\$1475- Jundee)

^{2.} Rounding may result in apparent summation differences between tonnes, grade and contained metal content;

^{3.} Numbers are 100 % NST Share(Attributable noted to East Kundana Joint Venture (EKJV-Rand Mining Limited and Tribune Resources Limited for tonnes and contained ounces are not