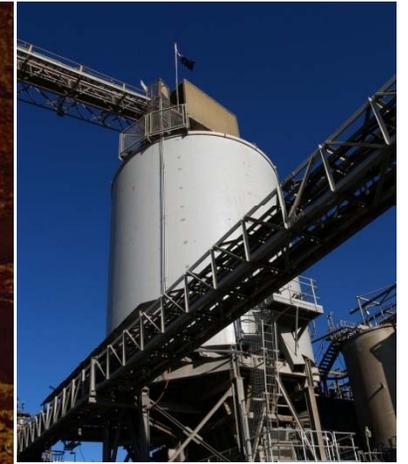


European Gold Forum

April 2010



Bringing Value to the Surface

Northgate Minerals Corporation

European Gold Forum

April 2010



Forward-Looking Statements

This Northgate presentation contains “forward-looking information” or “forward-looking statements”, as such terms are defined in applicable Canadian and US securities legislation, concerning Northgate’s future financial or operating performance and other statements that express management’s expectations or estimates of future developments, circumstances or results. Generally, forward-looking information can be identified by the use of forward-looking terminology such as “expects”, “believes”, “anticipates”, “budget”, “scheduled”, “estimates”, “forecasts”, “intends”, “plans” and variations of such words and phrases, or by statements that certain actions, events or results “may”, “will”, “could”, “would” or “might” “be taken”, “occur” or “be achieved”. Forward-looking information is based on a number of assumptions and estimates that, while considered reasonable by management based on the business and markets in which Northgate operates, are inherently subject to significant operational, economic and competitive uncertainties and contingencies. Northgate cautions that forward-looking information involves known and unknown risks, uncertainties and other factors that may cause Northgate’s actual results, performance or achievements to be materially different from those expressed or implied by such information, including, but not limited to gold and copper price volatility; fluctuations in foreign exchange rates and interest rates; the impact of any hedging activities; discrepancies between actual and estimated production, between actual and estimated reserves and resources or between actual and estimated metallurgical recoveries; costs of production; capital expenditure requirements; the costs and timing of construction and development of new deposits; and the success of exploration and permitting activities. In addition, the factors described or referred to in the section entitled "Risk Factors" in Northgate's Annual Information Form for the year ended December 31, 2008 or under the heading "Risks and Uncertainties" in Northgate's 2008 Annual Report, both of which are available on the SEDAR website at www.sedar.com, should be reviewed in conjunction with the information found in this presentation. Although Northgate has attempted to identify important factors that could cause actual results, performance or achievements to differ materially from those contained in forward-looking information, there can be other factors that cause results, performance or achievements not to be as anticipated, estimated or intended. There can be no assurance that such information will prove to be accurate or that management’s expectations or estimates of future developments, circumstances or results will materialize. Accordingly, readers should not place undue reliance on forward-looking information. The forward-looking information in this presentation is made as of the date of this presentation, and Northgate disclaims any intention or obligation to update or revise such information, except as required by applicable law.

Cautionary Note to US Investors Regarding Mineral Reporting Standards

The Company prepares its disclosure in accordance with the requirements of securities laws in effect in Canada, which differ from the requirements of U.S. securities laws. Terms relating to mineral resources in this presentation are defined in accordance with National Instrument 43-101-Standards of Disclosure for Mineral Projects under the guidelines set out in the Canadian Institute of Mining, Metallurgy, and Petroleum Standards on Mineral Resources and Mineral Reserves. The Securities and Exchange Commission (the "SEC") permits mining companies, in their filings with the SEC, to disclose only those mineral deposits that a company can economically and legally extract or produce. The Company uses certain terms, such as, “measured mineral resources” “indicated mineral resources”, “inferred mineral resources” and “probable mineral reserves”, that the SEC does not recognize (these terms may be used in this presentation and are included in the Company’s public filings which have been filed with securities commissions or similar authorities in Canada).



European Gold Forum

April 2010

WHY NORTHGATE?



Our Corporate Profile and Our Vision
A Successful Track Record
Northgate Today
Achievements & Objectives

WHY NORTHGATE?

Corporate Profile

We are good operators.

We have a proven and successful track record of turning around underperforming assets.

And we deliver results.



Northgate Minerals Corporation is a gold and copper producer with mining operations, development projects and exploration properties in Canada and Australia. We are forecasting gold production of **316,000 ounces in 2010**.

Corporate Vision

To be the leading intermediate gold producer by identifying, acquiring and developing profitable, long life mining properties.

SUCCESSFUL TRACK RECORD

Creating value from underappreciated assets

Kemess South



- » Acquired February 2000 out of bankruptcy when gold was below \$300/oz and copper below \$0.70/lb
- » **Remarkable operational turnaround within two years**
- » **2.5 MM oz of gold and 620 MM lbs of copper produced**

Young-Davidson



- » Acquired November 2005 for \$18 million
- » **2.8 million proven & probable ounces adding over 200% to Northgate's reserves**
- » **Targeting a 15-year mine life: 180,000 oz/yr @ \$350/oz**

Fosterville & Stawell



- » Acquired February 2008 – all cash acquisition
- » Undercapitalized mines could not operate efficiently and develop additional reserves through exploration in prolific gold region
- » **Successful operational turnaround, improving productivity and lowering costs**

NORTHGATE TODAY

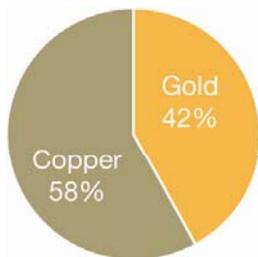
We have laid the groundwork for a bright future

(100% owned and operated)



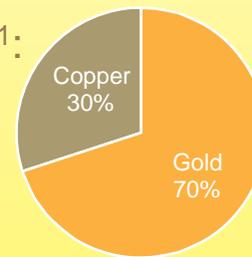
2008

- One mine
- 789,000 oz of reserves
- Production ending in 2010
- Revenue:



Today

- Three fully permitted operating mines
- ~ 4 million oz of reserves
- Production beyond 2027+
- Revenue¹:



100% gold when Young-Davidson begins production

¹ Assumes \$1,140/oz gold and \$3.20/lb copper for 2010 production.

ACHIEVEMENTS & OBJECTIVES

Delivering Results

Achieved

Record gold production of **362,398 ozs**



Net cash cost in line with original guidance



Record cash flow from operations of **\$187.2 million**



Established a 2.8 million ounce reserve at Young-Davidson



Young-Davidson Feasibility: 17% after tax IRR @ \$1,100 gold



Added reserves at Stawell to extend mine life



Defined initial 159K oz reserve in the Harrier zone at Fosterville



Near-Term Objectives

Start construction at Young-Davidson

Expanded \$21 million exploration budget in 2010

Re-deploy or sell Kemess assets into other opportunities

FOCUS & STRATEGY

- Maintain a strong balance sheet; currently no long-term debt
- Organic growth through Fosterville, Stawell and Young-Davidson
- All operations and projects in stable jurisdictions
- Create value from successful turnaround of underappreciated assets
- Exceptional leverage to gold price from three operating mines and maximizing cash flow to fund growth initiatives
- Targeting sustainable annual production at 400,000+ ounces per year from current projects
- Additional growth through M&A

GROWTH STRATEGY

Corporate Development

Acquisition of one or more operating gold mines, exploration or development projects

50,000 – 200,000 oz

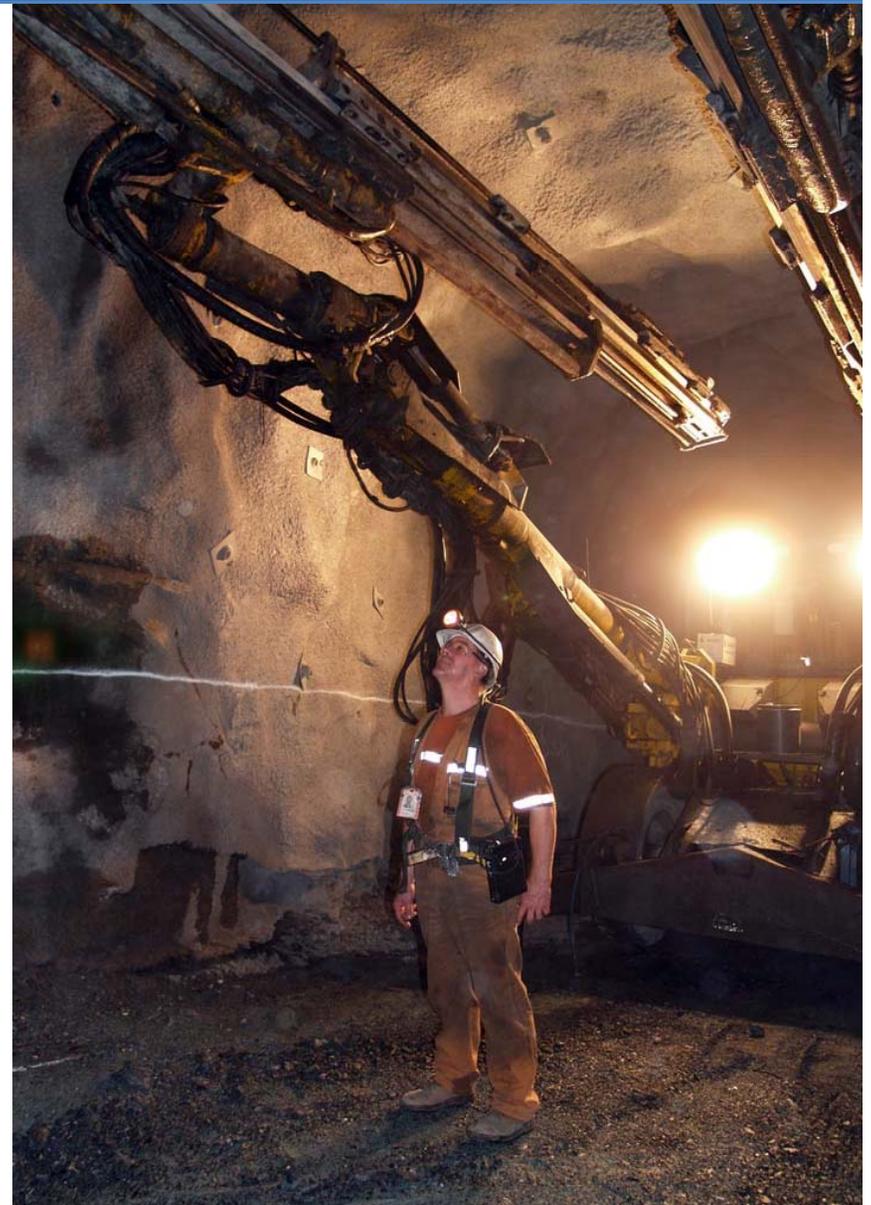
Annual production potential

Expertise

Underperforming gold or gold/copper mines where we can add value

Jurisdiction

Properties with regional exploration in politically stable jurisdiction



2010 PRODUCTION FORECAST

- Northgate is forecasting production of **316,000 ounces** in 2010 at a cash cost of **\$537/oz***

	Gold (ounces)	Copper (000s pounds)	2010 Net Cash Cost
Fosterville	113,000	n/a	\$655/oz
Stawell	99,500	n/a	\$633/oz
Kemess	103,500	47,600	\$318/oz
Combined	316,000	47,600	\$537/oz

Sensitivities

Operating Cash Flow

Variable	Change	Impact (US\$)
Gold Price	\$25 per ounce	\$7.9 million
Copper Price	\$0.05 per pound	\$1.3 million
Cdn\$/US\$ FX Rate	0.05	\$5.0 million
A\$/US\$ FX Rate	0.05	\$6.9 million

Cash Cost per Ounce

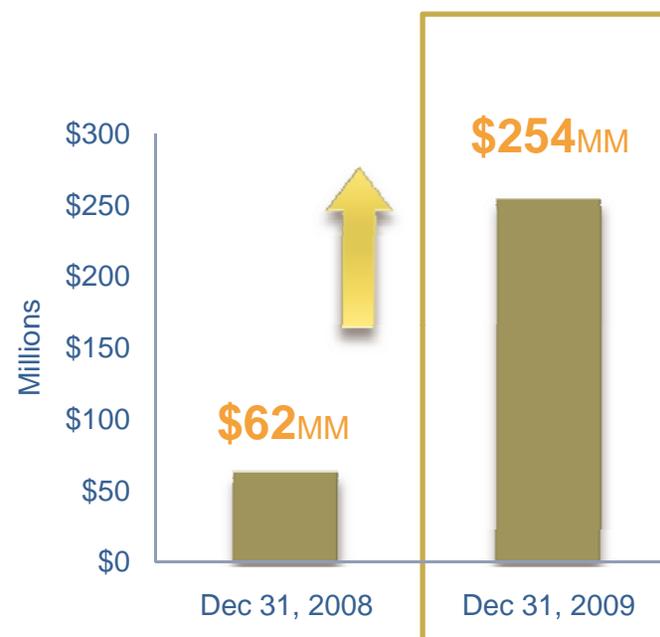
Variable	Change	Impact (US\$)
Cdn\$/US\$ F/X Rate	\$0.05	\$25/oz
A\$/US\$ F/X Rate	\$0.05	\$20/oz

* Assumes \$3.20/lb copper; US\$/Cdn\$0.97 and US\$/A\$0.92.

FINANCIAL POSITION

Well positioned to begin construction of the Young-Davidson Mine

- \$254 million in cash;
no long-term debt at Dec. 31, 2009
- Strong free cash flow projected in 2010 from Kemess
 - » Upside participation on gold price
 - » Downside protection on copper price
- Received expressions of interest from a variety of financial institutions
 - » \$100 million debt facility to help finance construction of the Young-Davidson mine
- Will proceed with negotiations with banks and look to close a facility in Q3-2010 with first drawdown expected in 2011.





Young-Davidson

GROWTH AT YOUNG-DAVIDSON



Positive Feasibility Study
Recent Exploration Success
2010 Exploration Budget and Outlook

GROWTH AT YOUNG-DAVIDSON

Realizing our vision

Young-Davidson is a financially robust, low cost, long-life project

2.8 million p+p oz

216% increase to Northgate's reserves

At today's spot prices¹:

17.1%

After tax IRR

US\$425 MM

After tax NPV 5%

YD Net Asset Value

Cdn\$1.54 per share²



¹ \$1,100/oz gold and exchange rate of US\$/Cdn\$0.95

GROWTH AT YOUNG-DAVIDSON

Production Profile

2012

anticipated
production

180,000

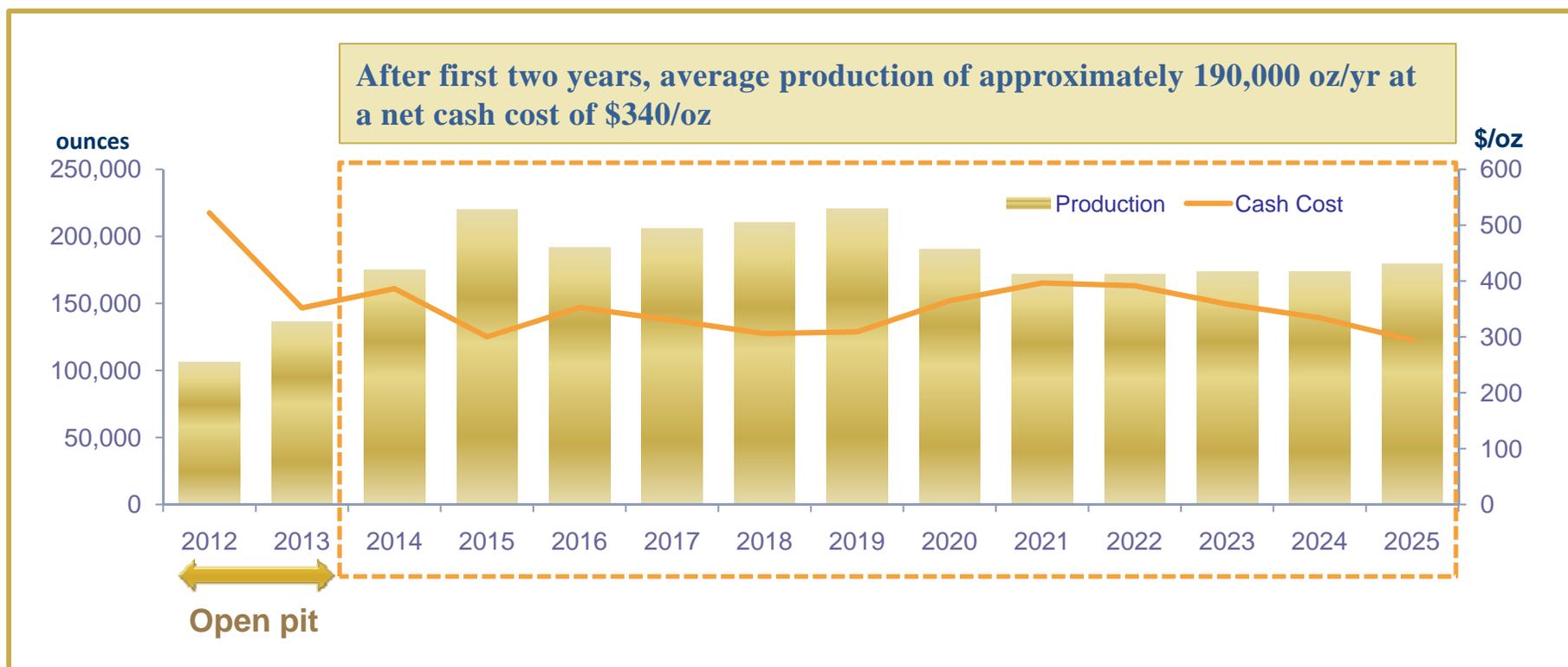
ozs average
annual production

\$350/oz

estimated net
cash cost

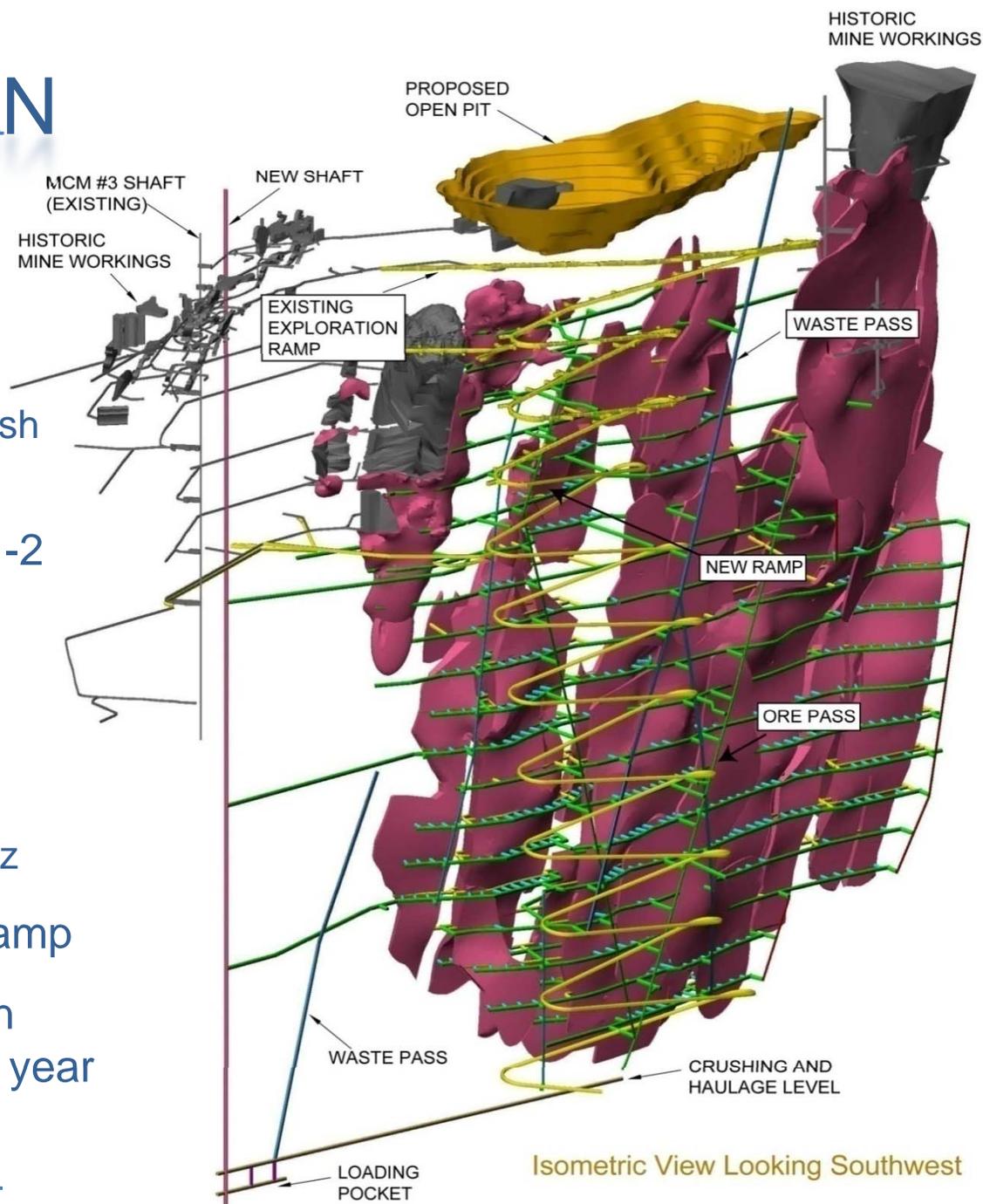
15 year

estimated
mine-life



YD MINE DESIGN

- Orebody geometry well suited to high productivity bulk mining methods
 - » Below industry average cash costs of \$350/oz
- Open pit production years 1-2
 - » Stripping ratio is 2.75:1
- Underground production years 3-15
 - » Average production of 190,000 ounces @ \$340/oz
- Mine access by shaft and ramp
- Underground ore production rate of 6,000 tpd or 2.2 MT/ year



YOUNG-DAVIDSON

Achieving our Goals



Achieved

Signed IBA with Matachewan First Nation



Defined NI 43-101 compliant reserve of 2.8 million ounces



Raised \$88.5 million through equity offering



Completed Feasibility Study



Received board approval to commence development



Discovered new area of gold mineralization

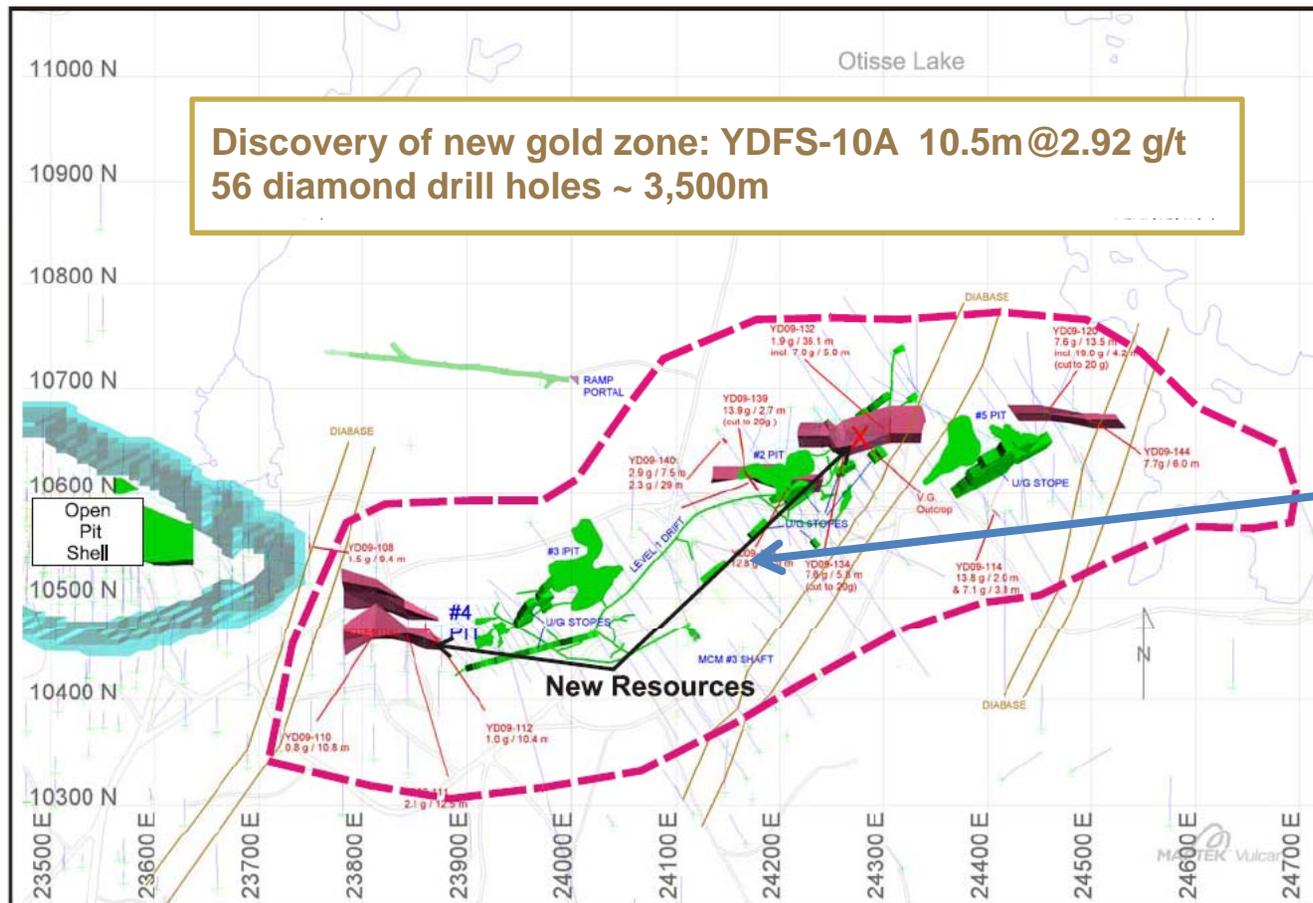


Near-Term Objectives

- » Bid proposals for shaft development
- » Getting close to awarding an EPCM contract
- » Construction slated for summer of 2010

GROWTH AT YOUNG-DAVIDSON

Exploring outside of reserve envelope –
\$2.8 million exploration budget



- 20,000m of diamond drilling in 2010

Targeting near surface resources that may increase ounces in the open pit



Stawell Gold Mine

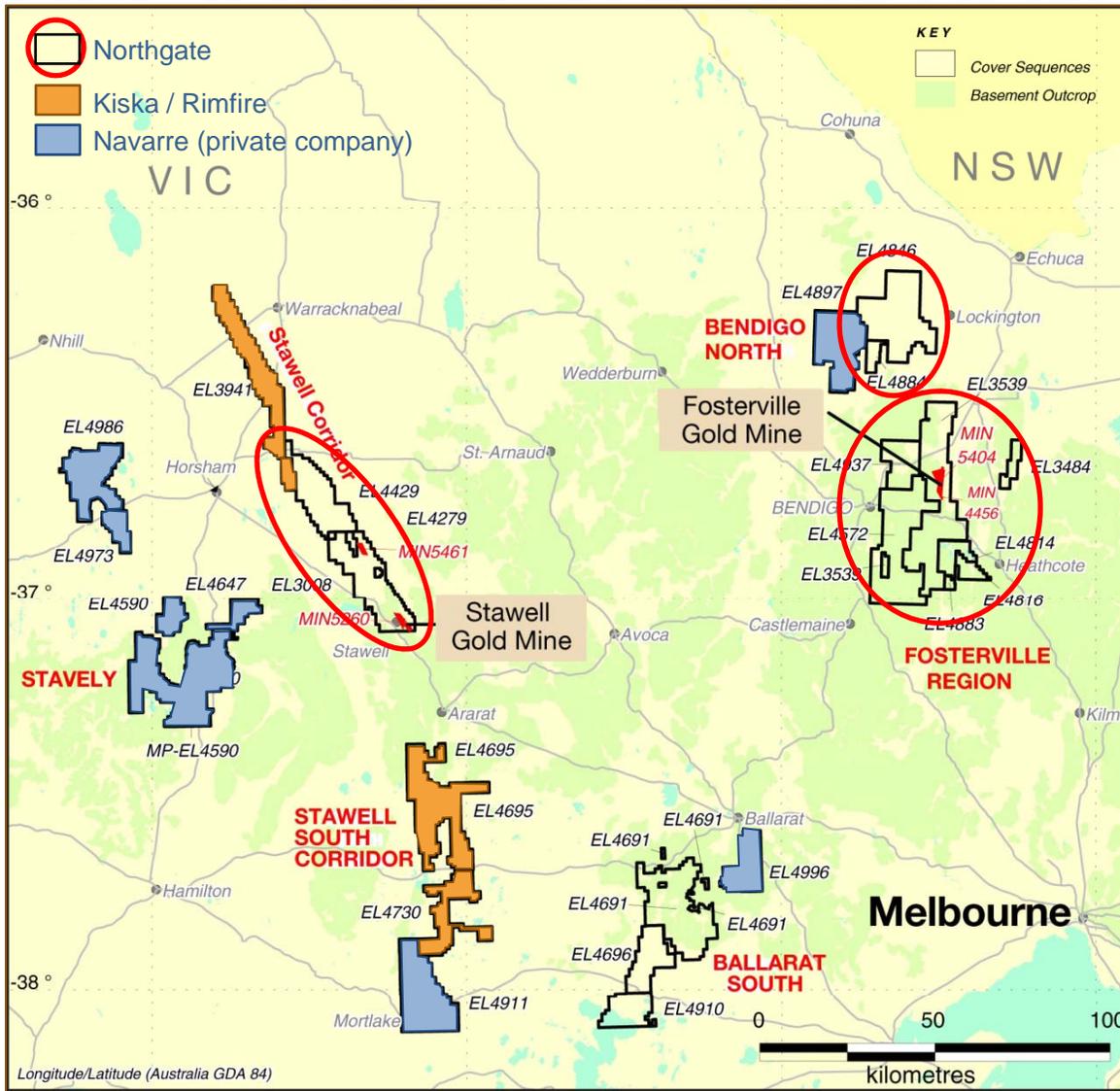
Fosterville Gold Mine

GROWTH IN AUSTRALIA

Australia Land Package
Fosterville Gold Mine
Stawell Gold Mine



REGIONAL EXPLORATION AUSTRALIA



- Ramping up exploration on targets on significant land holdings surrounding both operations
- **\$18.4 million** 2010 exploration budget in Australia
- Other JV agreements with Kiska (Rimfire) and Navarre



GROWTH AT FOSTERVILLE



Proven Results
2010 Objectives and Future Outlook

GROWTH AT FOSTERVILLE

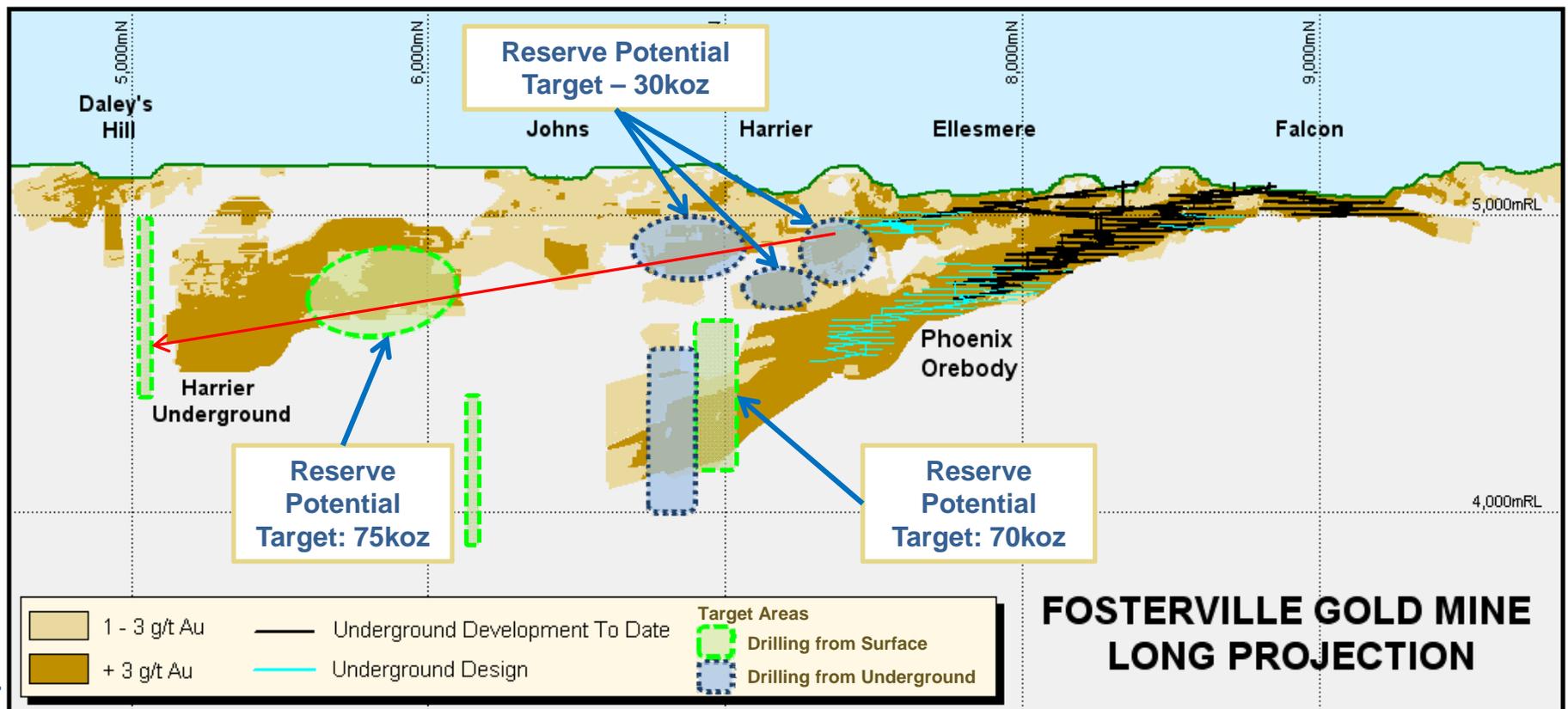
Proven Results	Then (Q3'08)	Now (Q4'09)
▪ Higher gold recoveries	66%	85% (2009 avg)
▪ Mine development advance	1,868m	2,226m
▪ Higher ore mined	116,747 tonnes	206,881 tonnes
▪ Higher ore milled	125,592 tonnes	208,267 tonnes
▪ Higher production	15,491 ounces	26,615 oz in Q4 (record)
▪ Lower cash costs	\$831/oz in 2008	\$576/oz in 2009

- **Excellent productivity achieved:**
 - » **Record Q4 and 2009 production**
 - » **Mining rates increased by over 60%**
 - » **Dramatic decline in cost structure**
- **Looking into 2010:**
 - » 2010 guidance: set to achieve another record year of **113,000 oz of gold**
 - » Decline towards Harrier; production in 2012

GROWTH AT FOSTERVILLE

\$11.2MM exploration budget supporting resource conversion

- **Phoenix:** Extending reserves from 7050mN-6750mN with surface/underground drilling. Significant step-out on 6200mN.
- **Harrier:** Convert northern block to reserves (6200mN-5600mN). Seek extension to the south on 5050mN and test potential link to Daley's Hill.
- Other target zones potentially accessible from Harrier Decline.

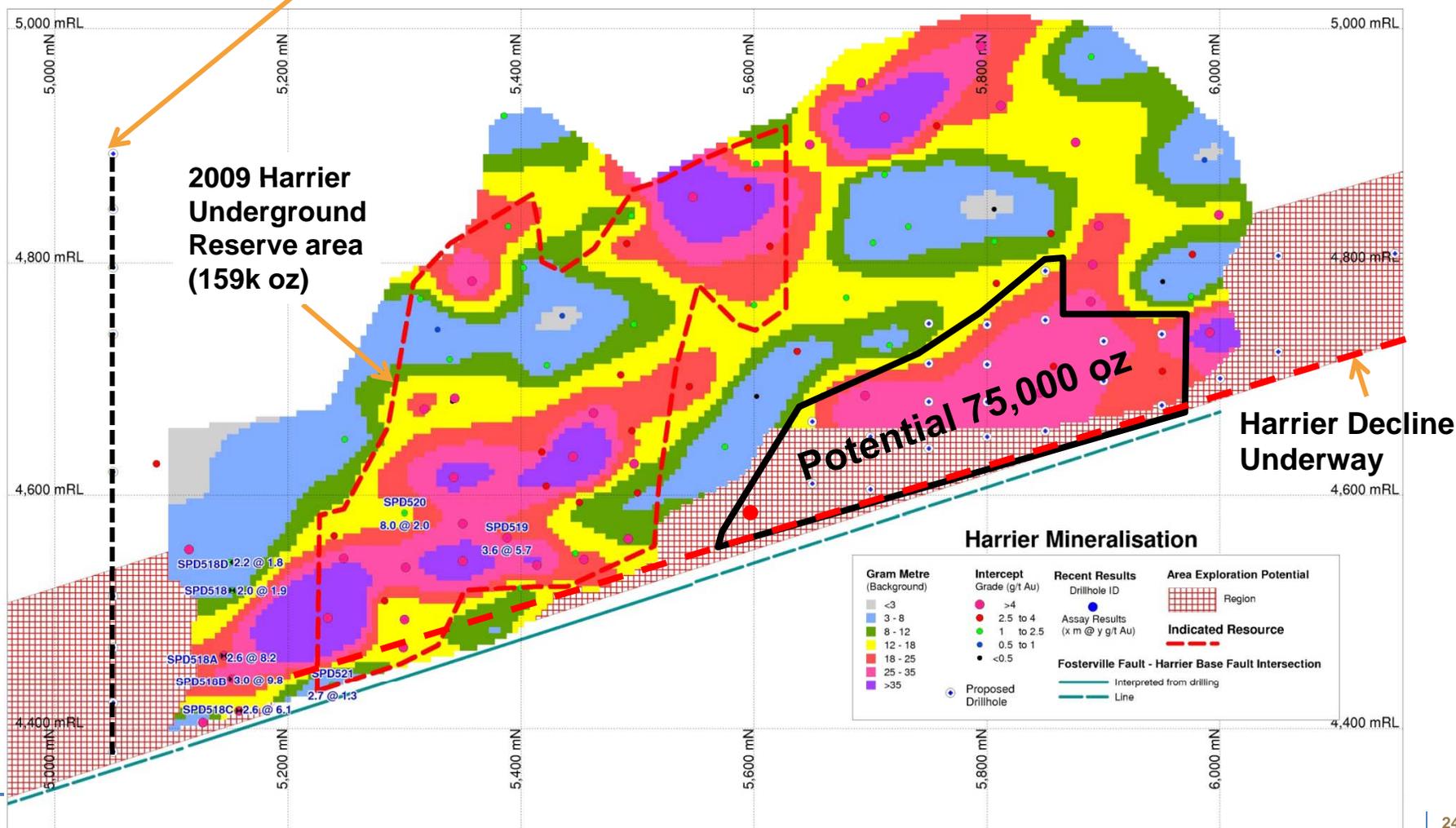


HARRIER LONG PROJECTION

Step out drilling 5050N:
 13.4m @ 7.7 g/t gold from 263.6m
 7.0m @ 5.2 g/t gold from 725.0m
 3.0m @ 9.8 g/t gold from 792.0m

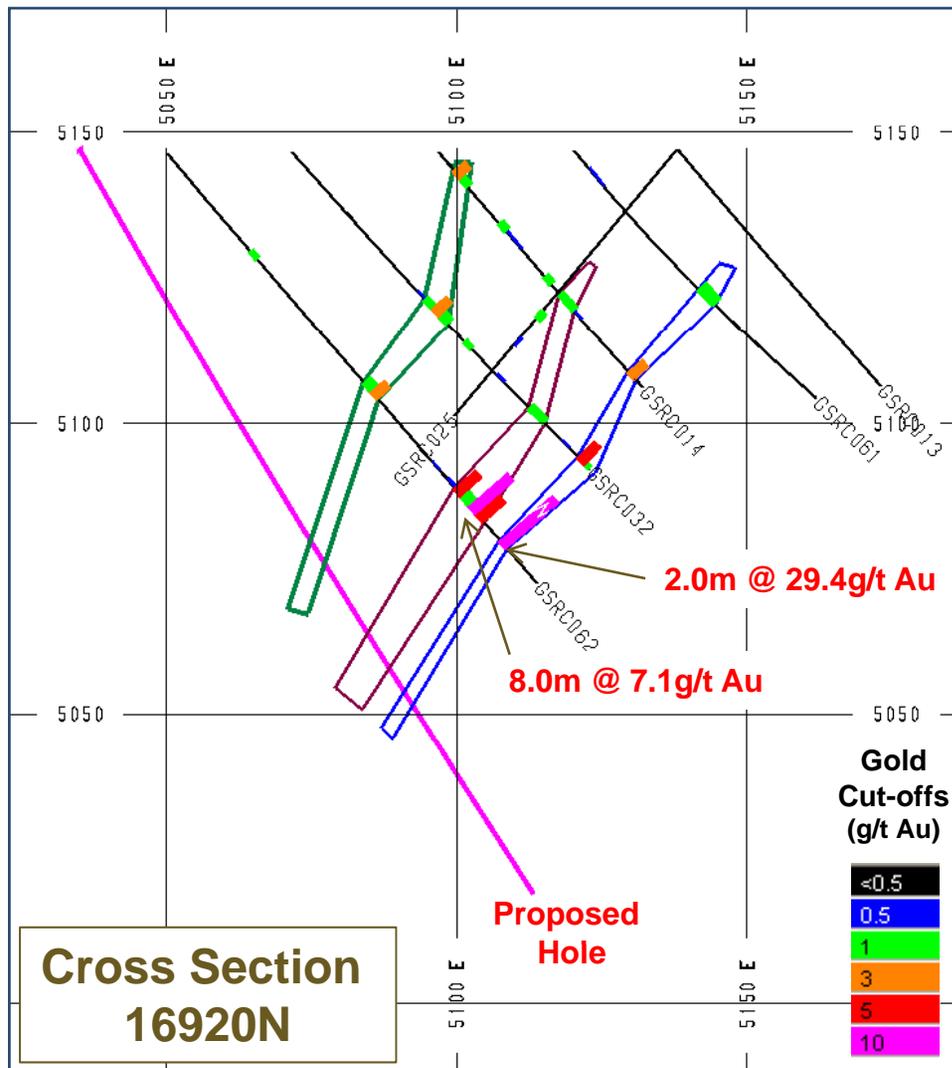
Additional Reserve Potential

- Targeting additional 75koz
- Step out drilling on 5050N



GOORNONG SOUTH PROSPECT

Off Lease Target



- Fosterville style mineralization tested by:
 - » Shallow RC drilling over 250m northerly trend.
 - » A single diamond hole ends in 5.1g/t gold.
- Proposed investigative drilling (3 holes) to assess:
 - » Down dip continuity of gold mineralization
 - » Plunge of mineralization and folding.
- Drilling to commence Q2-Q3
- 10 km from Fosterville mine



Stawell

GROWTH AT STAWELL



Investing for Long-Term Success
2010 Objectives and Future Outlook

GROWTH AT STAWELL

Review of Operations

	Then (Q3'08)	Now (Q4'09)
▪ Higher ore mined	158,195 tonnes	188,201 tonnes
▪ Higher ore milled	177,381 tonnes	199,082 tonnes
▪ Mine development advance	1,355m	1,994m (record)
▪ Stable unit operating costs	A\$61/tonne mined A\$26/tonne milled	A\$61/tonne mined A\$24/tonne milled

- In Q4, Stawell achieved its strongest production quarter of 23,566 oz
- Reported 7% increase in reserves; strong resource base of 268koz indicated and 163k inferred (up 40%)
- **Looking into 2010:**
 - » Stawell is forecasting solid gold production of 99,500 ounces at an average net cash cost of \$633/oz in 2010
 - » **2 million ounces produced in early March 2010**

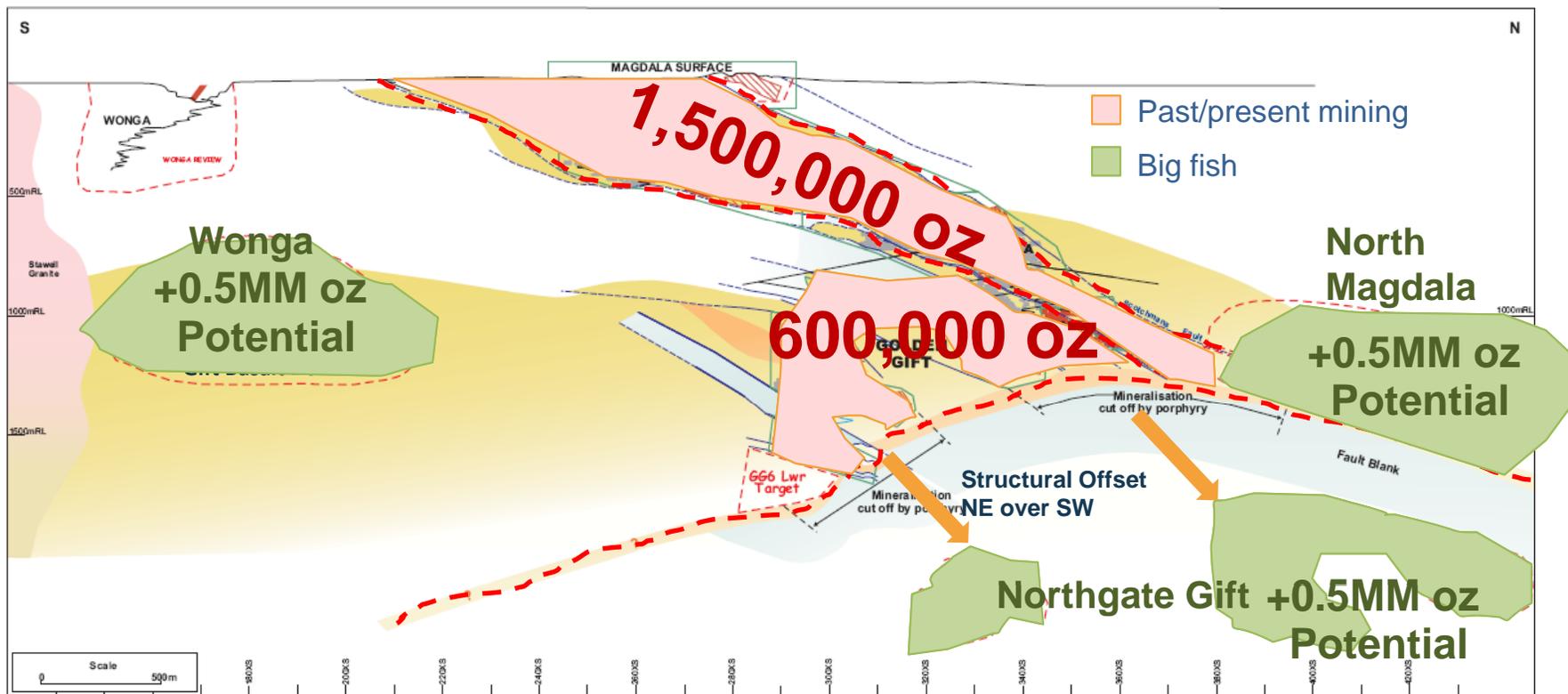
GROWTH AT STAWELL

On Lease “Big Fish” Targets

- Gold first discovered in 1853;
 - » 2.6 million ounces mined to 1920
 - » Total production 4.5 million ounces to 2009
- **World Class Deposit**

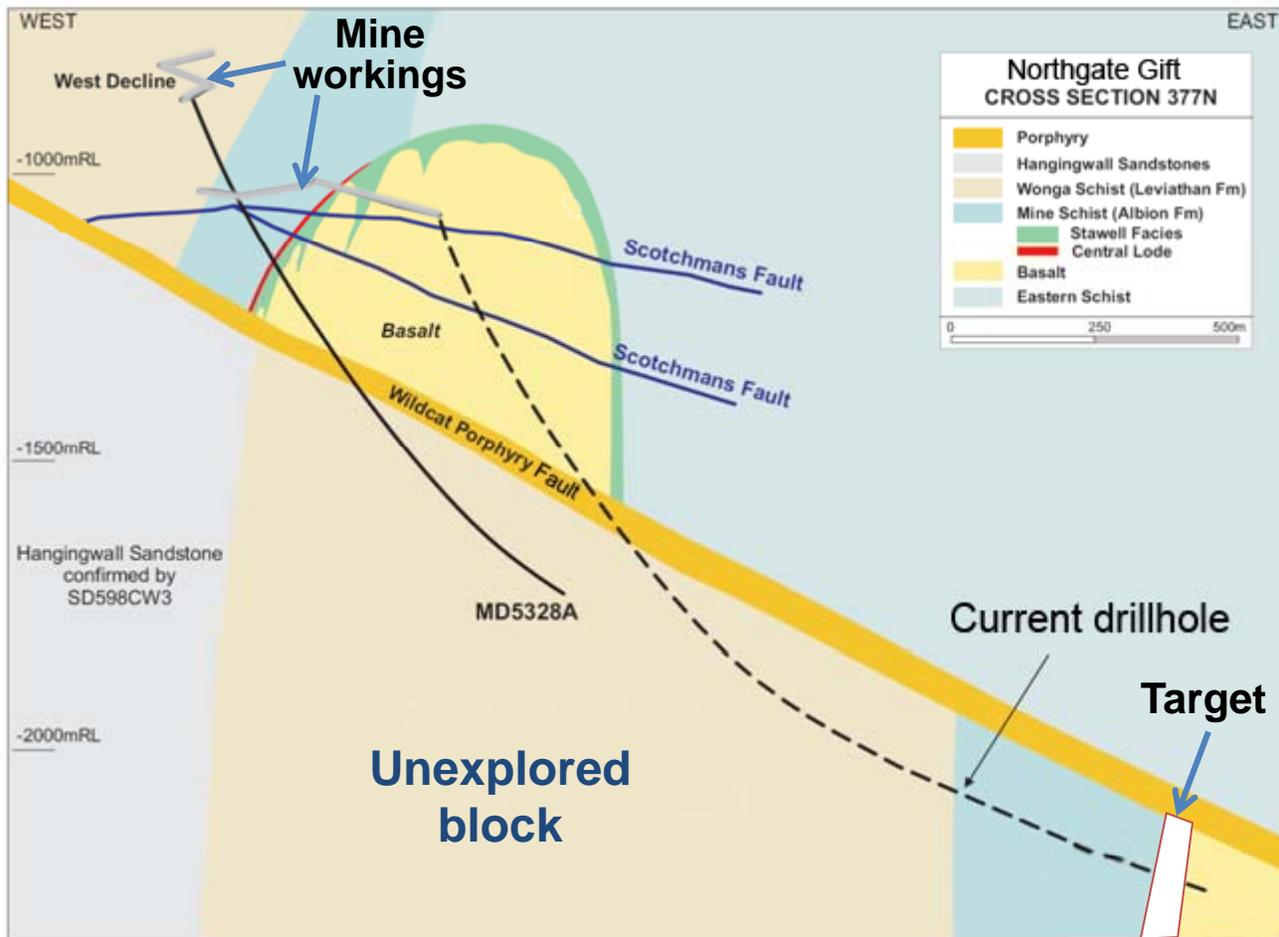
Looking Ahead

- **Three “Big Fish” Targets**
 - » **Northgate Gift** (drilling underway)
 - » **North Magdala** (Q3 / Q4)
 - » **Wonga** (Q3 / Q4)



NORTHGATE GIFT TARGET CONCEPT

Post mineral fault repeat of Golden Gift orebodies



Looking Ahead

- Drilling underway under wildcat porphyry
- **+0.5 million ounce reserve potential**

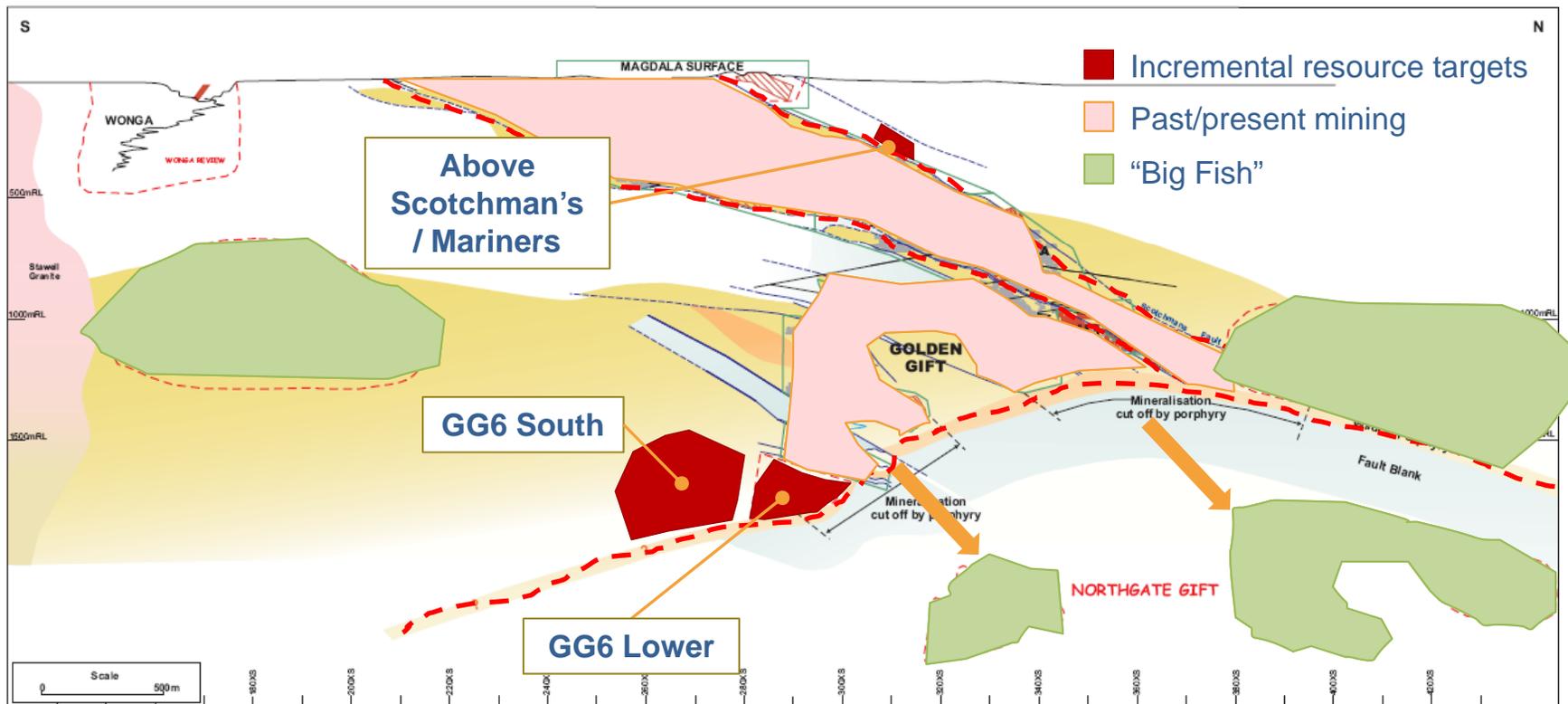
ON LEASE EXPLORATION

Incremental resource targets

- Focusing on targets ■ to maintain current reserve level while exploring “Big Fish” targets

Looking Ahead

- Scoping / resource drilling on:
 - » GG6 Lower
 - » GG6 South
 - » Above Scotchman’s / Mariners



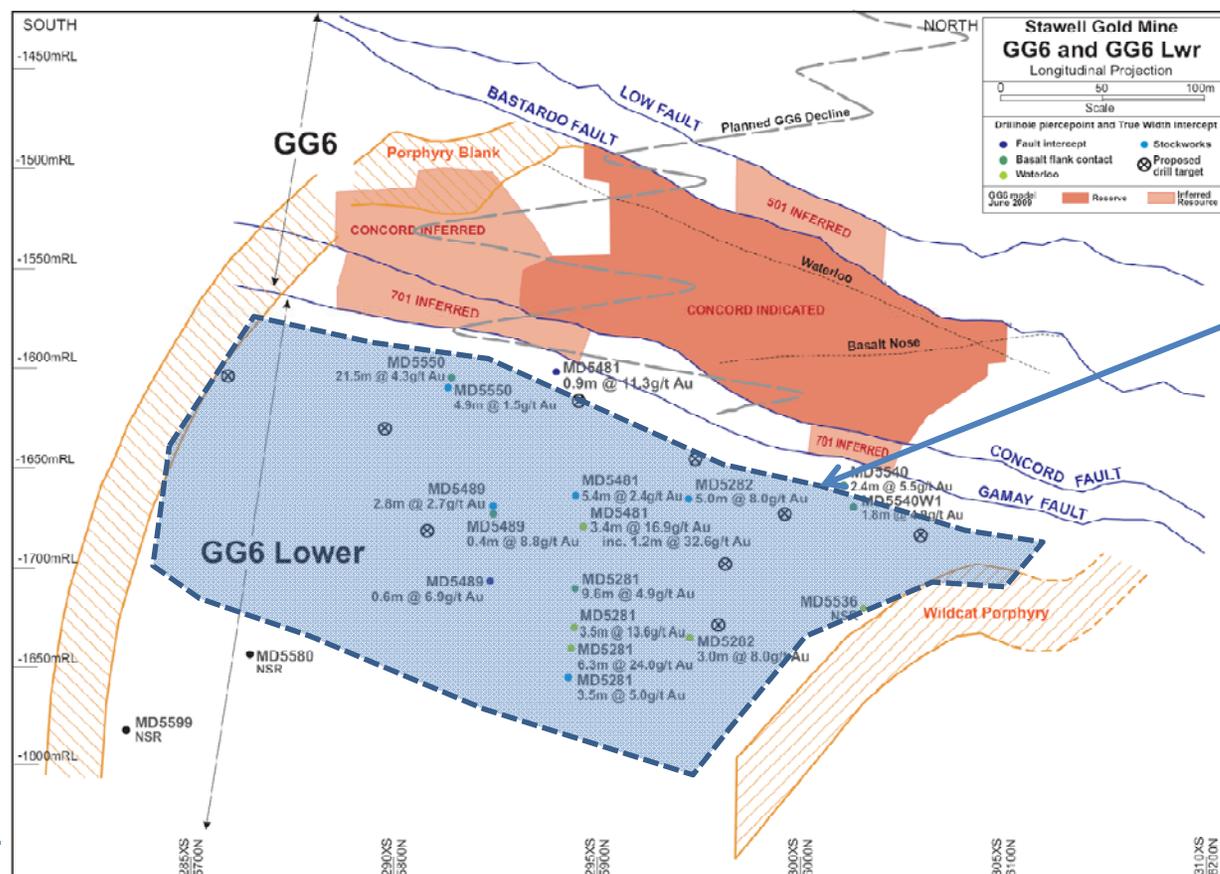
GOLDEN GIFT 6 LOWER

Incremental resource target

- Drilling platform in place
- Conversion to Inferred Resource

Looking Ahead

- ~70,000 oz potential based on history and current drill spacing and grades



Nine underground drill holes totalling 3,600m



Kemess South

2010 OBJECTIVES

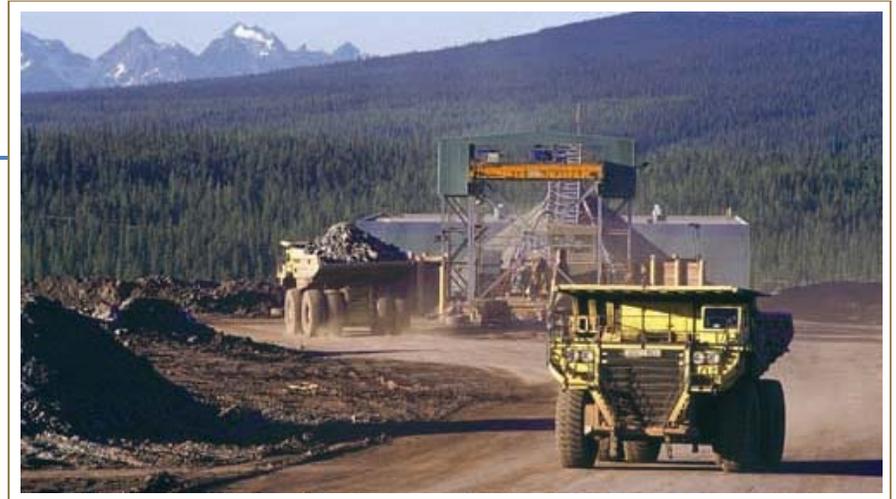


KEMESS SOUTH

2010 Objectives

- 2009 production in line with guidance; cash costs lower than expected

- 2009 production:
173,040 ounces of gold
52.5 MM pounds of copper
Net cash cost: **\$348/oz**
- 91% mill availability in 2009
- Throughput of 53,000+ tpd in Q4
- Low unit mining costs in Q4:
Cdn\$0.95/tonne moved
(Cdn\$2.27 in Q4-2008)



Looking into 2010

- Added to 7 million tonnes to reserves, extending mine-life until end of Q1-2011
- Solid production of **103,500 ozs at 47.6 MM lbs**
- Expect to make \$55 million in free cash flow in 2010*
 - » net of significant reclamation expenses of \$24 million

* Assumes \$1,100/oz gold; \$3.20/lb copper; US\$/Cdn\$0.97

CORPORATE REVIEW

Upcoming Highlights

Fosterville:

- ✓ Record annual production forecast in 2010
- ✓ \$11.2 million exploration budget in support of resource conversion

Stawell:

- ✓ Solid production in 2010
- ✓ \$7.2 million exploration budget in support of mine-life extension

Creating Value

Kemess:

- ✓ Additional reserves extending mine-life until end of Q1-2011
- ✓ Re-deploy / sell Kemess assets
- ✓ Extensive reclamation efforts

Young-Davidson:

- ✓ Permitting activities ongoing
- ✓ Construction starting in summer
- ✓ Exploration outside of reserve envelope

IN CONCLUSION

A Leading Multi-Mine Gold Producer

- All operations and projects in stable jurisdictions
- Strong balance sheet
- Exceptional leverage to gold price from three operating mines to fund growth initiatives
- An experienced management team with a depth of operating experience in turning around underappreciated assets
- Forecasting gold production of 316,000 ounces in 2010
- Excellent exploration upside at Fosterville, Stawell and Young-Davidson
- Organic growth at Young-Davidson



European Gold Forum

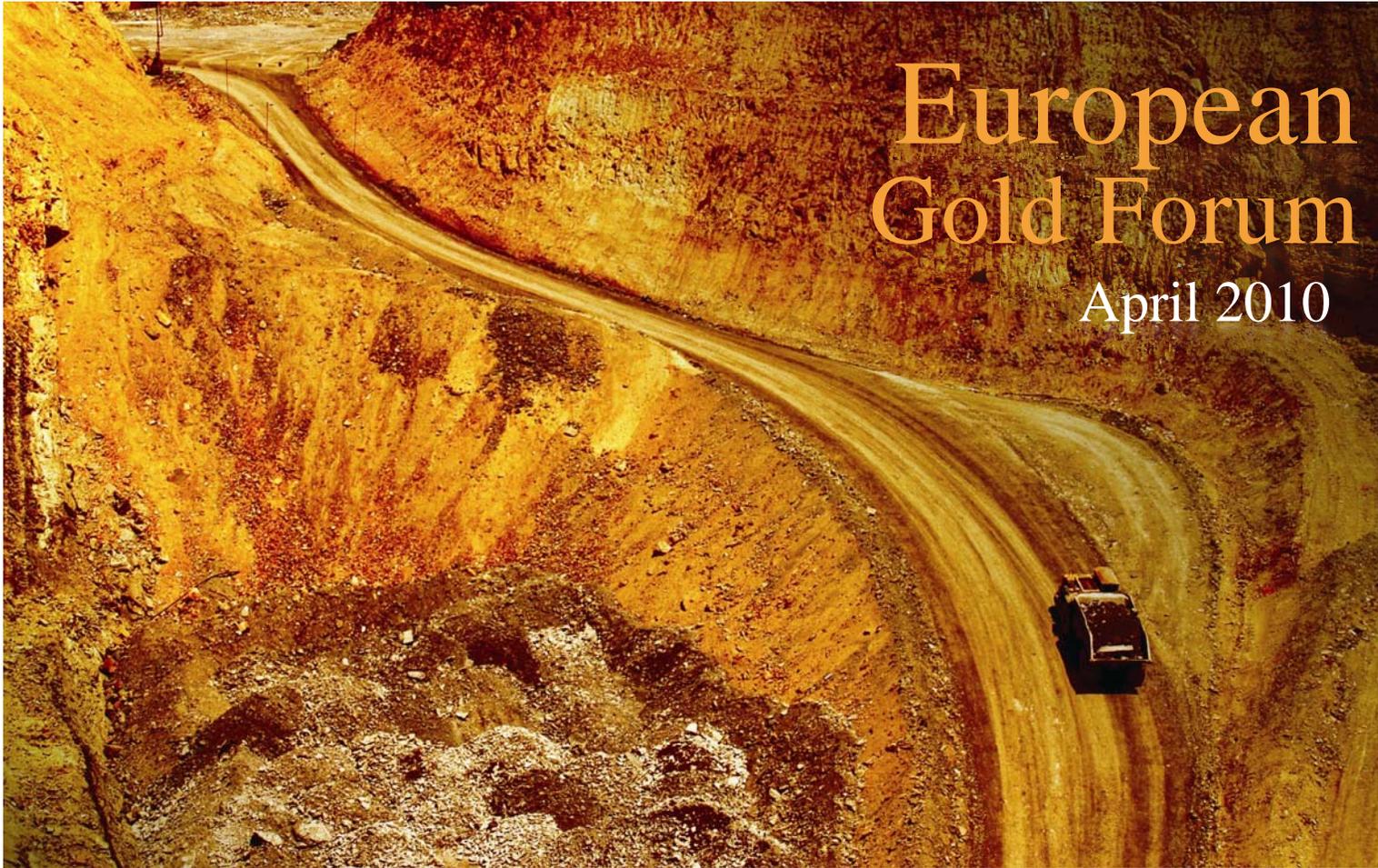
April 2010

QUESTION & ANSWER



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April 2010



Bringing Value to the Surface

Northgate Minerals Corporation

European Gold Forum

April 2010



APPENDIX

YD Economic Analysis¹

Gold Price (US\$/ oz)	Operating Cash Flow (US\$M)		NPV 5% Discount (US\$M)		IRR		Payback (years)
	Pre-tax	After Tax	Pre-tax	After Tax	Pre-tax	After Tax	
825	\$646	\$466	\$264	\$166	12.4%	10.3%	6.9
925	\$887	\$631	\$418	\$275	16.3%	13.6%	5.9
1025	\$1,131	\$799	\$573	\$383	19.9%	16.6%	5.1
1125	\$1,379	\$969	\$729	\$492	23.3%	19.5%	4.5

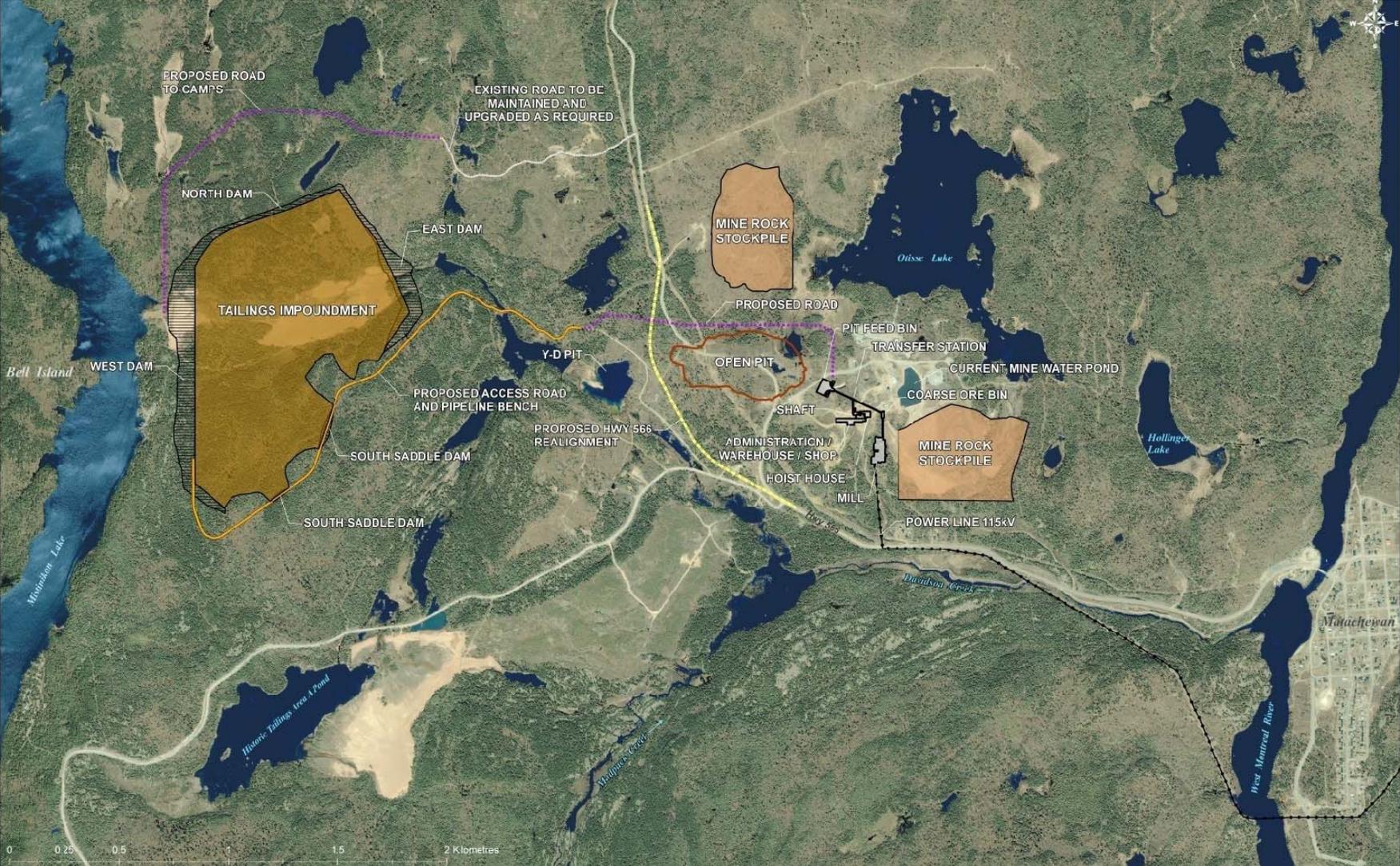
- Sensitivities ±10% (NPV 5% after tax) (US\$)

Capital expenditures	\$50 million
Operating cost	\$58 million
Exchange rate	\$136 million

¹ Economic Analysis using exchange rate assumption of US\$/C\$0.95

APPENDIX

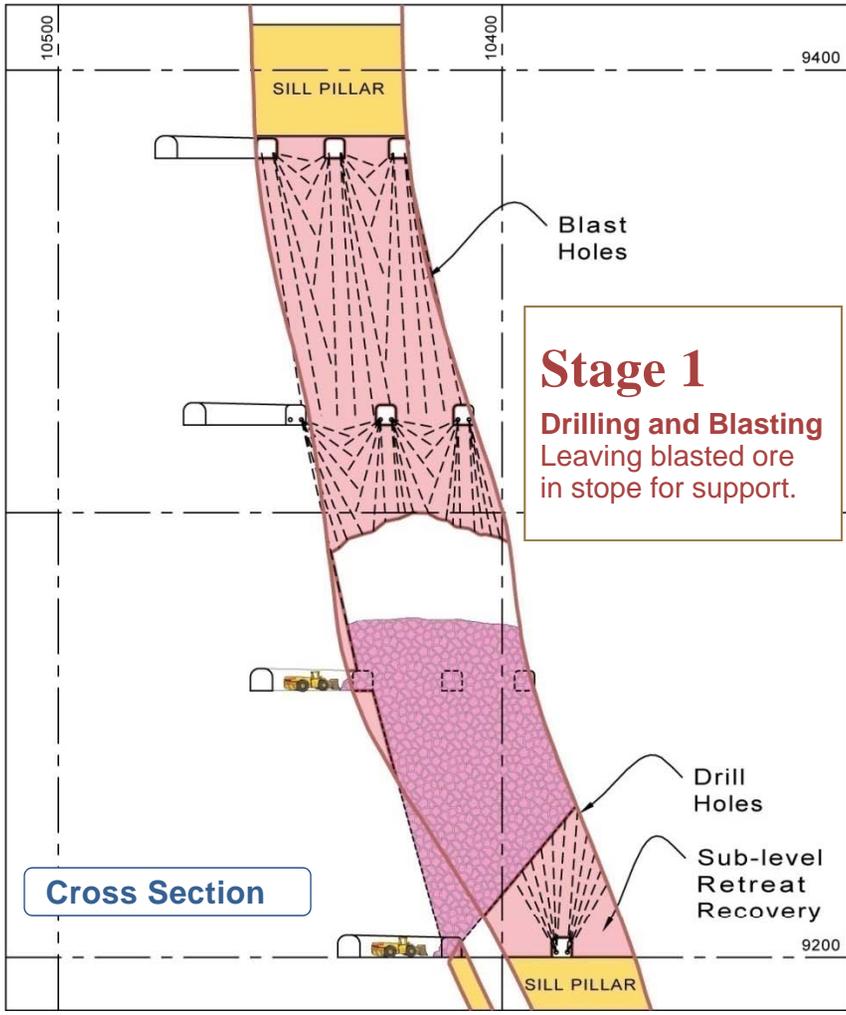
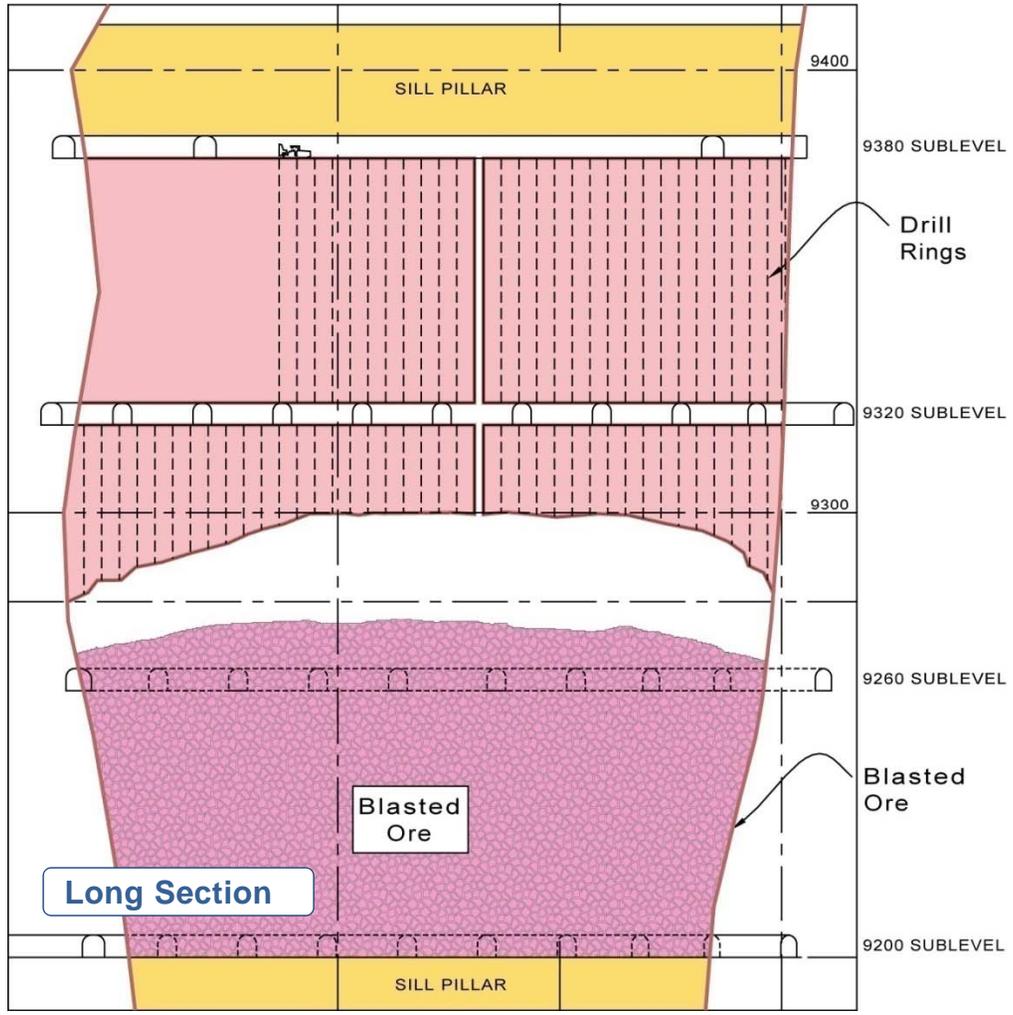
Young-Davidson Site Plan



YD MINING METHOD

Longhole Shrinkage – 50%

Stopes are large and productive, averaging 250,000 tonnes each; some over 1,000,000 tonnes.

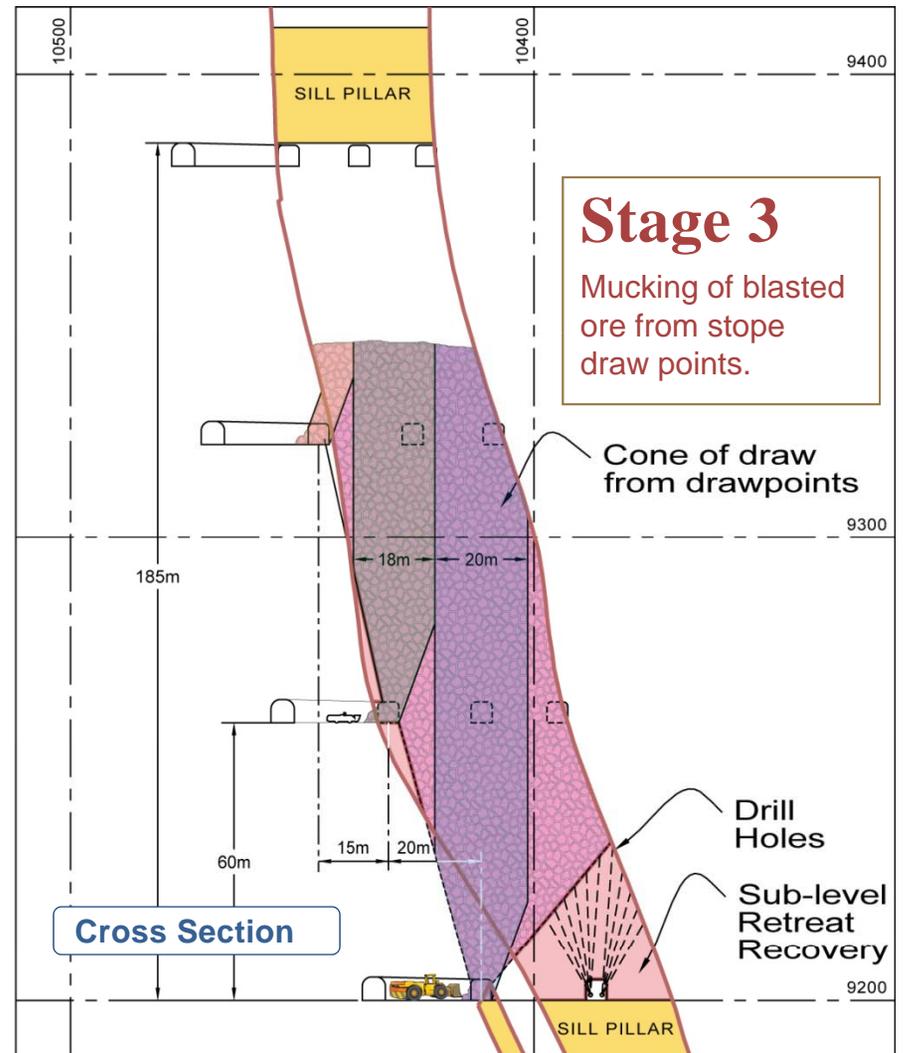
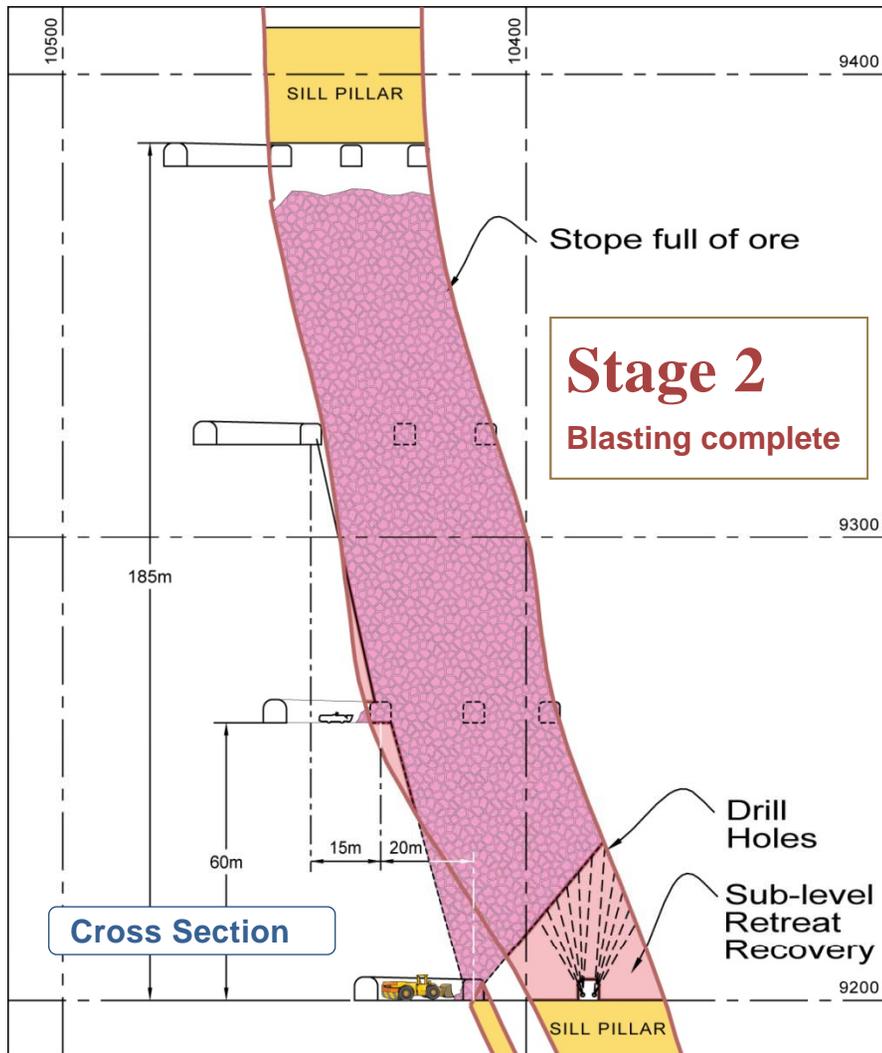


Stage 1
Drilling and Blasting
Leaving blasted ore
in stope for support.

YD MINING METHOD

Longhole Shrinkage

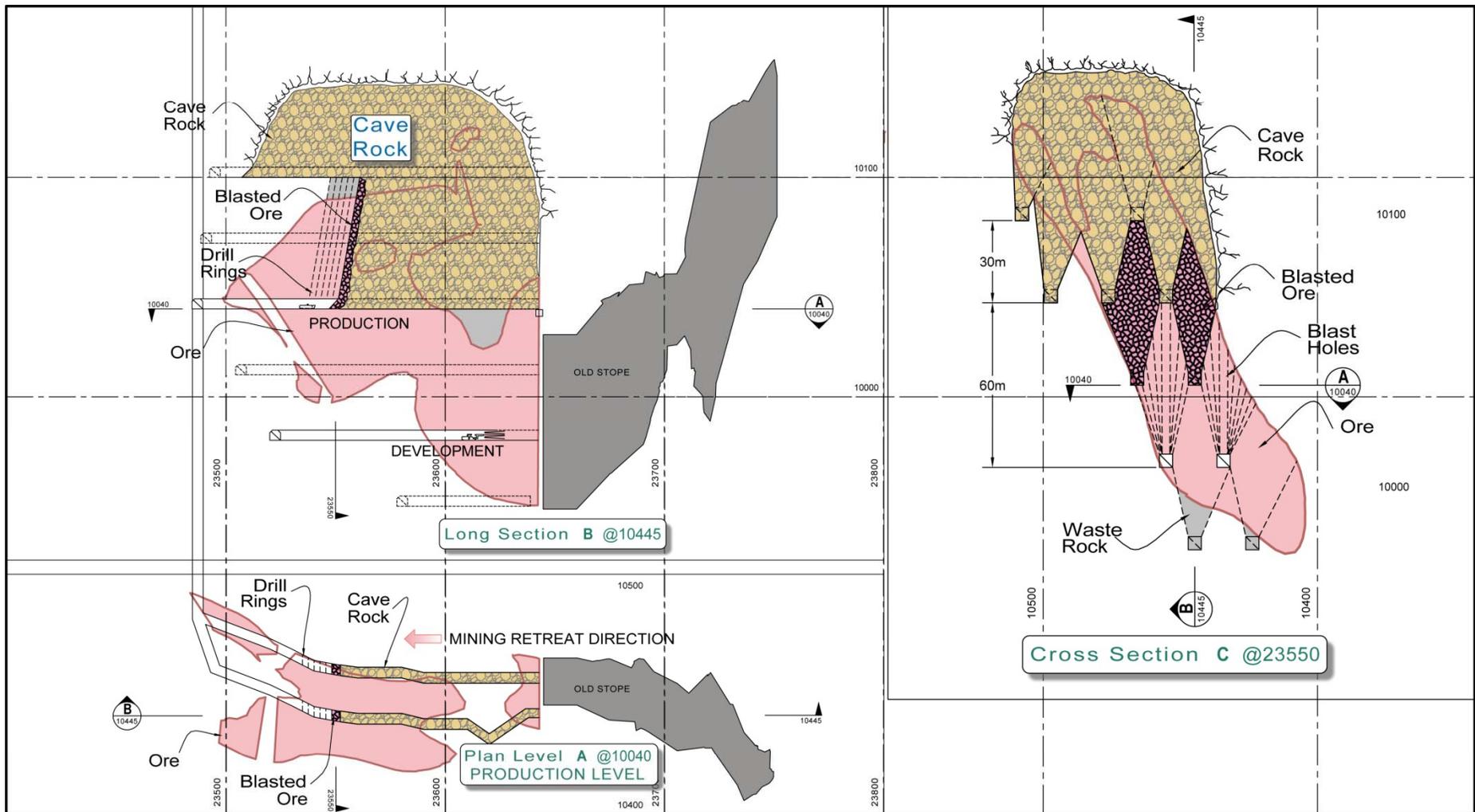
Ore widths in this zone are 8m – 40m; sublevel spacing is 60m



YD MINING METHOD

Sublevel Caving – 14%

Recover 3.6 Mt of near surface ore in a 20m – 40m thick zone.



YD CAPITAL AND OPERATING COSTS

- Construction expected to begin in 2010

Pre-Production Capital (US\$ millions)	
Infrastructure	\$ 75.0
Process plant	81.1
Mining	95.7
Indirect costs	56.5
Contingency	31.1
Total Pre-Production Capital	\$ 339.4
Sustaining Capital & Mine Closure	
Completion of underground mine infrastructure	\$ 128.6
Sustaining capital & mine closure	\$ 107.8
Total Sustaining Capital & Mine Closure	\$ 236.4

Recent financing and existing cash balance plus future cash flow and project financing means we are well positioned to build Young-Davidson

- Average Mining Costs (Cdn\$ per tonne milled)

Average mining cost	Cdn \$ 19.03 ¹
Processing cost	10.08
General and administration	2.52
Total	Cdn \$ 31.63

¹ Includes open pit cost of Cdn\$3.46 per tonne mined and underground mining cost of Cdn\$20.63 per tonne mined.

MANAGEMENT BIOS & CONTACT INFO

Kenneth G. Stowe, President & CEO

Ken received B.Sc. and M.Sc. degrees in Mining Engineering from Queen's University in Kingston, Ontario. He spent the first 21 years of his career at Noranda in various operational, R&D and corporate roles. In 1995, Ken joined Diamond Fields Resources as Vice President, Technology with responsibility for the feasibility study of the Voisey's Bay nickel-copper deposit. Upon the acquisition of Voisey's Bay by Inco, Ken joined Westmin Resources (subsequently acquired by Boliden) as Vice President, Operations. After the successful startup of the Lomas Bayas copper mine in Chile, he moved on to Northgate to take on the significant challenge of re-launching the company as an operating company through the turnaround of the recently commissioned but floundering Kemess South copper-gold mine. Kemess South is now one of the lowest cost gold mines in the world. In 2006, Ken was the recipient of the prestigious Canadian Mineral Processor of the Year Award.

Jon A. Douglas, Senior Vice President & CFO

Jon has been Senior Vice President and Chief Financial Officer of Northgate since 2001. During his career at Northgate, he has overseen the financial transformation of the company from a \$30 million market capitalization, TSX-listed, junior gold mining company with over \$200 million in debt to a dual-listed (TSX; AMEX), SOX-404 compliant intermediate gold producer with no debt and substantial cash balances. Before joining Northgate, Jon spent four years in the corporate development group at Noranda Inc., examining various investment and divestment opportunities. Prior to that, he spent eight years at Noranda Sales Corporation, purchasing primary and secondary copper and precious metal feeds for Noranda's copper metallurgical operations. Jon holds a BSc and a MSc in Chemical Engineering from the University of Toronto and a MBA from York University.

Peter MacPhail, Chief Operating Officer

Peter MacPhail joined Northgate in 2004 and is currently the Chief Operating Officer of the company. Peter is responsible for overseeing the company's operations and projects, which included a temporary relocation to Australia in early 2008, where he was responsible for the successful turnaround of the Fosterville and Stawell Gold mines in Victoria. Peter's career spans 25 years in various operations and project related positions with Canadian mining companies, including Noranda, Teck Corporation and Barrick Gold.

Christopher J. Rockingham, Vice President, Exploration & Business Development

Chris has been with Northgate Minerals since 2003 during which time he has been responsible for developing the overall corporate strategy and managing the mineral exploration. He is also actively involved in a number of industry associations and is a director of the Association for Mineral Exploration in British Columbia. Chris has both an M.Sc. in geology and an MBA from the University of Western Ontario.

Luc Guimond, Executive General Manager Australian Operations

Luc joined Northgate in 2006 as Project Manager, responsible for overseeing the initial development of the Young-Davidson property and has recently taken on the role of Executive General Manager for Northgate's Australian operations. Luc has progressed through engineering and operations over the last 20 years having spent time with Dynatec Mining, Noranda's Geco operations and Newmont's Golden Giant mine. He was appointed the General Manager of Newmont's Holloway operations in 2004. Luc is a graduate of the Haileybury School of Mines and holds a BSc in Mining Engineering from Queen's University.

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