

The background of the slide is a photograph of a sunset over a mining site. The sun is a large, bright white and orange sphere in the center of the sky, partially obscured by a thin layer of clouds. The sky transitions from a pale yellow near the horizon to a deeper orange at the top. In the foreground, the silhouettes of mining equipment, including a large drill rig, are visible against the dark ground. The overall scene is a dramatic and industrial landscape.

**HIGH GROWTH
MID TIER
GOLD PRODUCER**

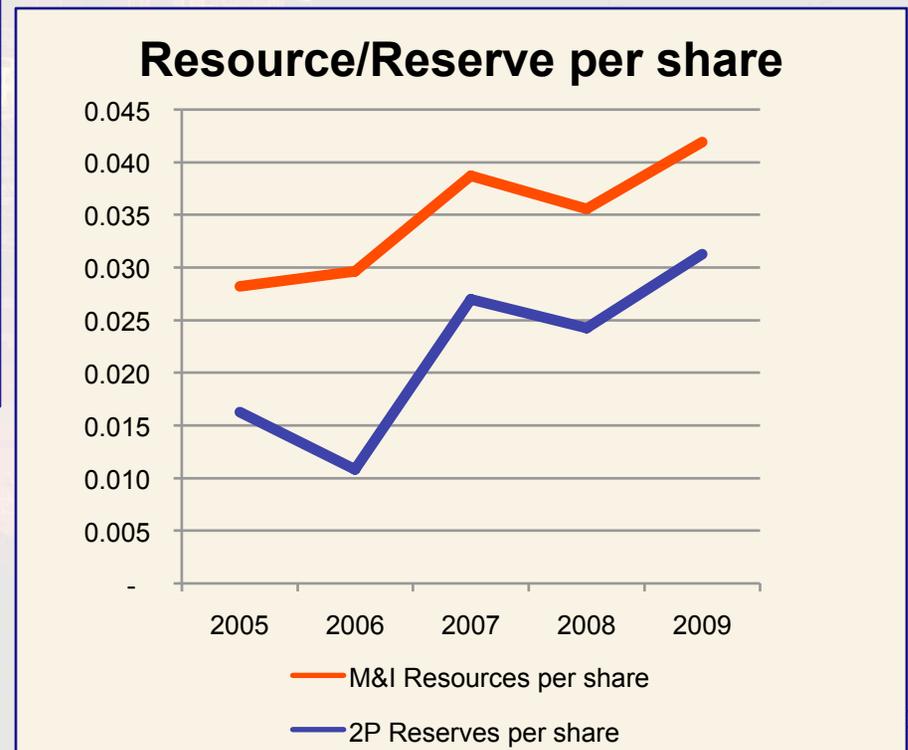
Apr1, 2010

FORWARD-LOOKING STATEMENT

Safe Harbor under the United States Private Litigation Reform Act of 1995:

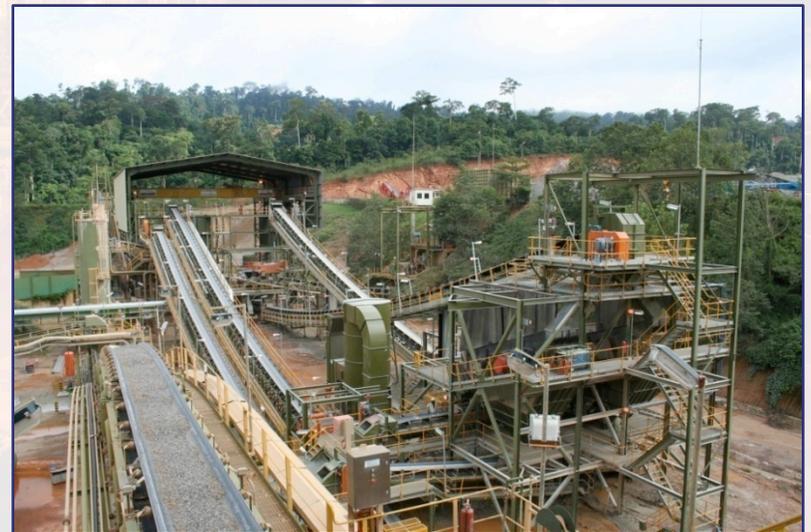
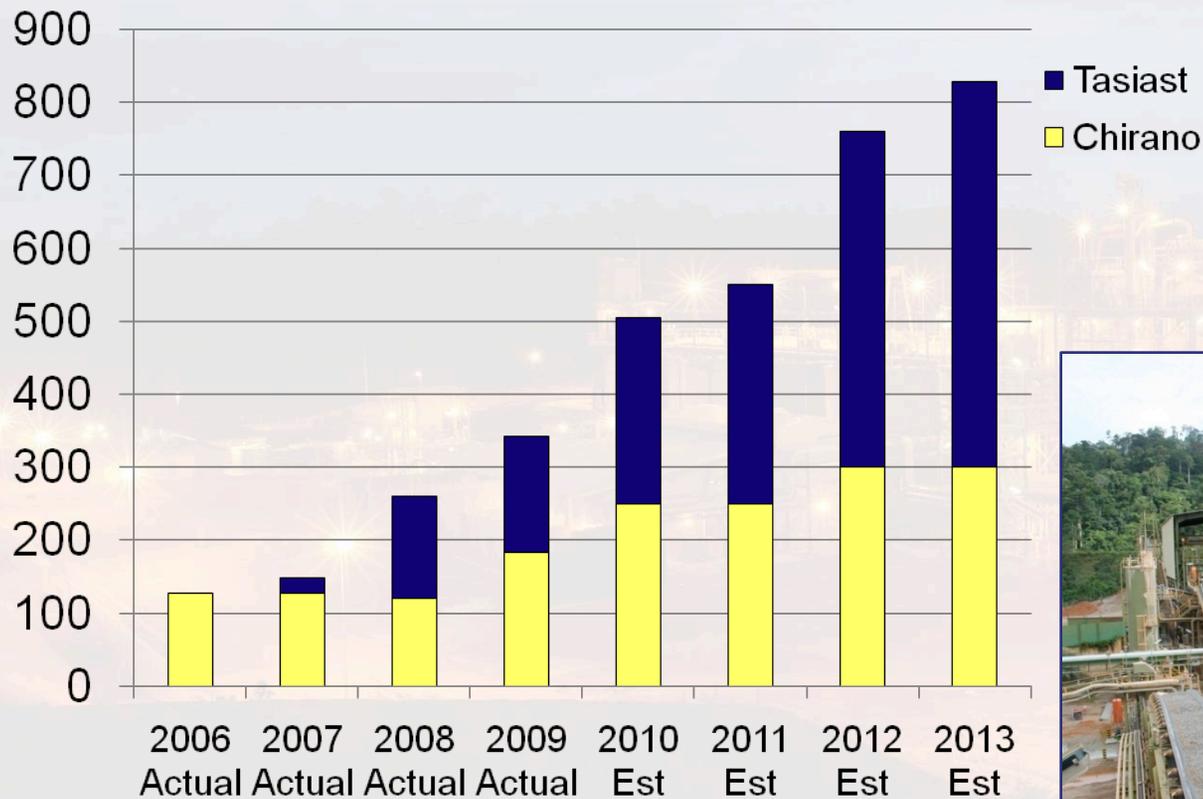
Except for statements of historical fact relating to Red Back Mining Inc. (“the Corporation”), certain information contained herein constitutes “forward-looking statements” within the meaning of the United States Private Litigation Reform Act of 1995 or “forward-looking information” within the meaning of applicable Canadian securities laws. Forward looking statements are frequently characterized by words such as “plan”, “expect”, “project”, “intend”, “believe”, “anticipate” and other similar words, or statements that certain events or conditions “may” or “will” occur. Forward-looking statements are predictions based on the opinions and estimates of management at the date the statements are made, and are subject to a variety of risks and uncertainties and other factors that could cause the actual events or results to differ materially from those projected in the forward-looking statements. These factors include but are not limited to the inherent risks involved in the exploration and development of mineral properties, the uncertainties involved in interpreting drilling results and other geological data, fluctuating metal prices, the possibility of project cost overruns or unanticipated costs and expenses, uncertainties relating to the availability and costs of financing needed in the future and other factors. Except as required by applicable securities laws, the Corporation undertakes no obligation to update forward-looking statements if circumstances or management’s estimates or opinions should change. The reader is cautioned not to place undue reliance on forward-looking statements.

EARNINGS GROWTH RESOURCE/RESERVE GROWTH



All figures in USD except where noted

PRODUCTION GROWTH



EXPANDING RESERVE / RESOURCE BASE

	2P RESERVES	M&I RESOURCES	INFERRED RESOURCES
CHIRANO	2.24 Moz	3.34 Moz	1.40 Moz
TASIAST	5.03 Moz	6.51 Moz	1.30 Moz
TOTAL	7.27 Moz	9.85 Moz	2.70 Moz

Measured & Indicated Resources include Proven & Probable Reserves



COMPANY SNAPSHOT

Capitalization

RBI: TSX

232 million shares outstanding

236 million shares fully diluted

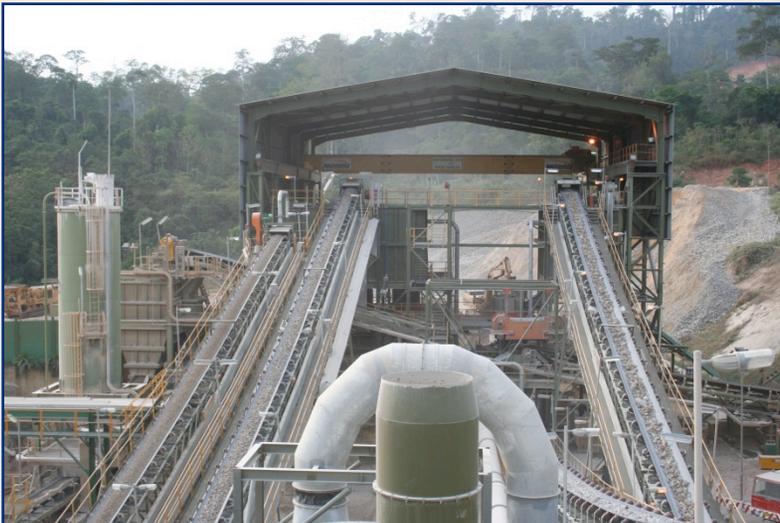
Strong Balance Sheet

No Debt

No Hedging

\$150 million cash

**Strong operating cashflow ~
\$275 million in 2010 (at \$1,000 gold)**



CHIRANO

Ramp up production at Akwaaba to 100,000tpm rate

Continue Akwaaba decline development

Extension and in-fill drilling at Paboase

Initial Paboase Reserve (Q210)

Commence Paboase development (Q210)

TASIAST

Continue defining Greenschist Zone

Ramp up production from dump leach

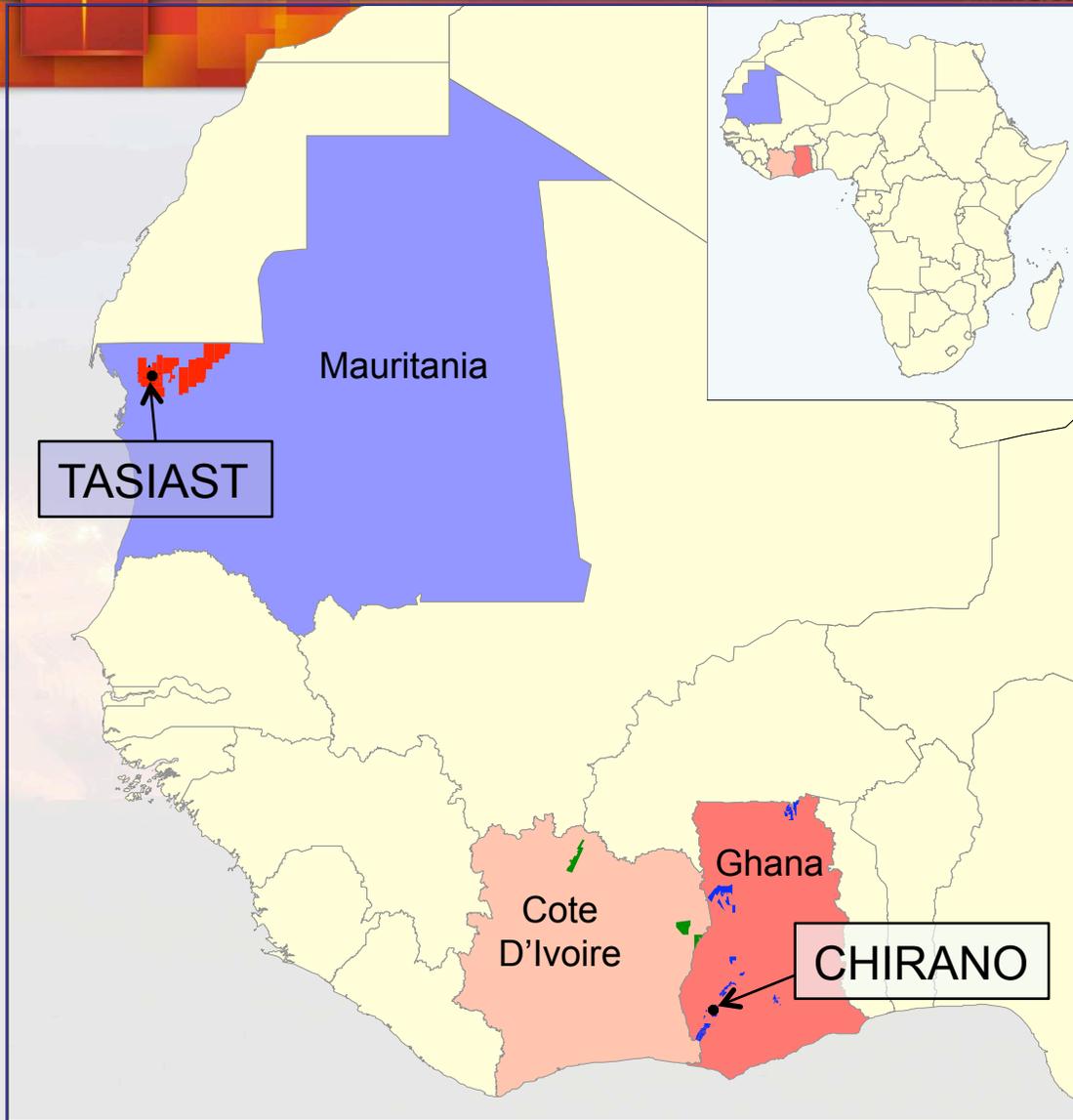
Significant Reserve increases expected

Exploration - satellite targets

Finalize heap leach pre-feasibility (Q310)

Commence heap leach construction (Q410)

PROJECT LOCATIONS



**Significant land holdings
in West Africa**

**Active exploration in
three countries**

**Two operating gold
mines with 10+ years
mine life**

Mining friendly countries

CHIRANO MINE

(Ghana, RBI 90%)

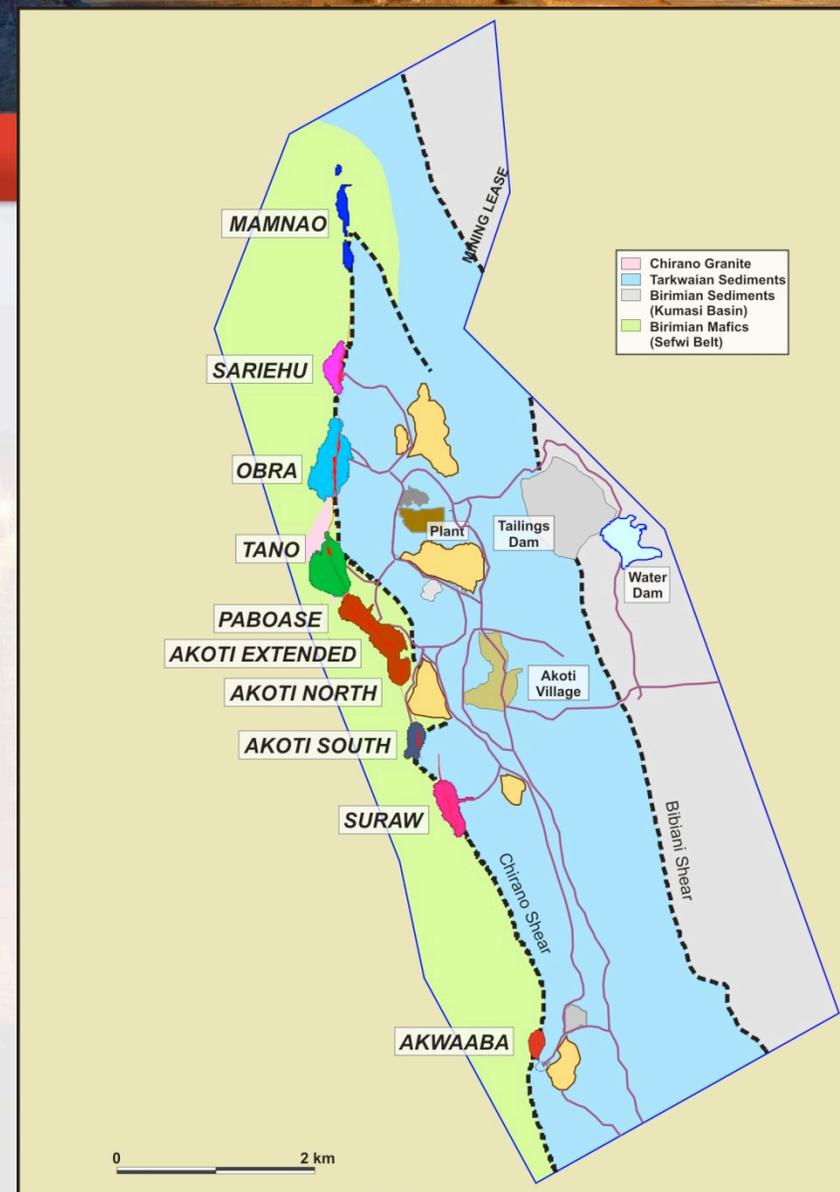
Open pit and underground operations

Akwaaba decline continuing

Paboase

- Initial reserve Q210
- Ongoing reserve definition
- Commence development Q210

Exploration upside at depth and along strike
> 30km of contiguous strike



AKWAABA

Reserve: 1.1M oz @ 4.2 g/t

Decline development ongoing

Surface infrastructure complete

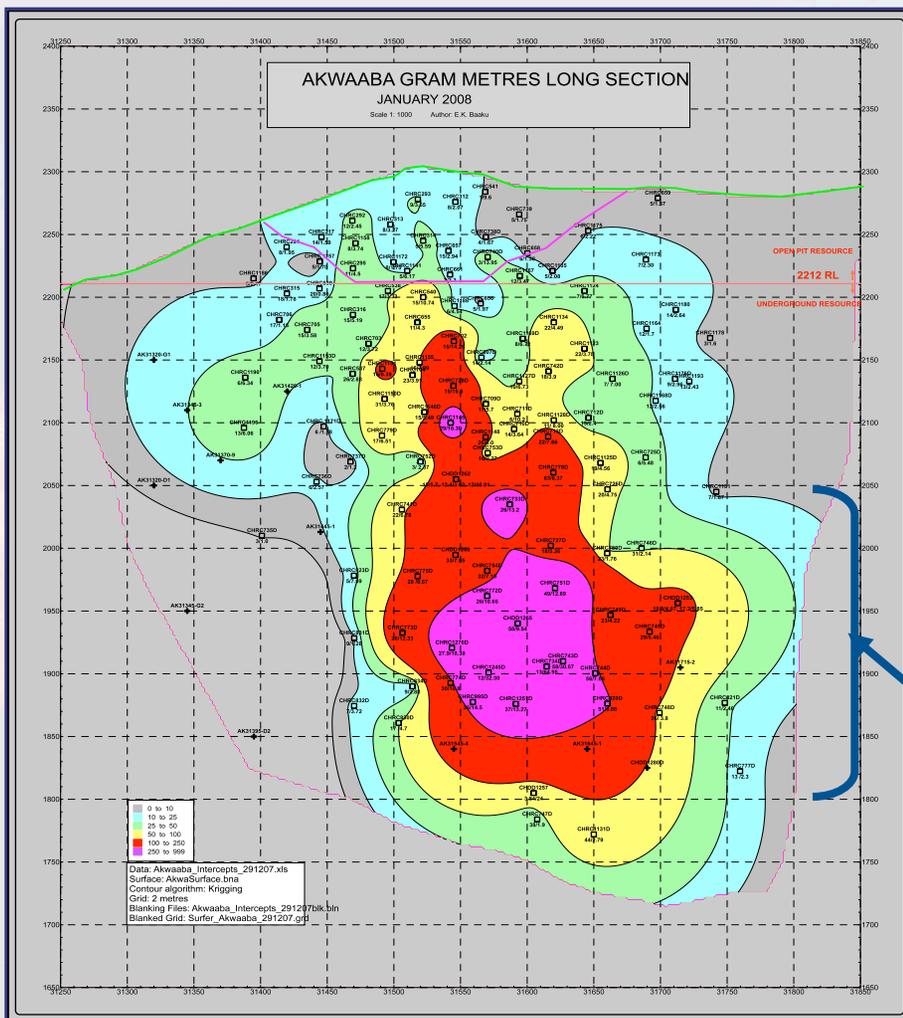
Exploration at depth

Production commenced Q209

**Ramping up to 100,000 T/month
mid-2010**



AKWAABA



High Grade Zones
 13m @ 65g/t
 12m @ 32g/t
 3m @ 50g/t
 4m @ 36g/t

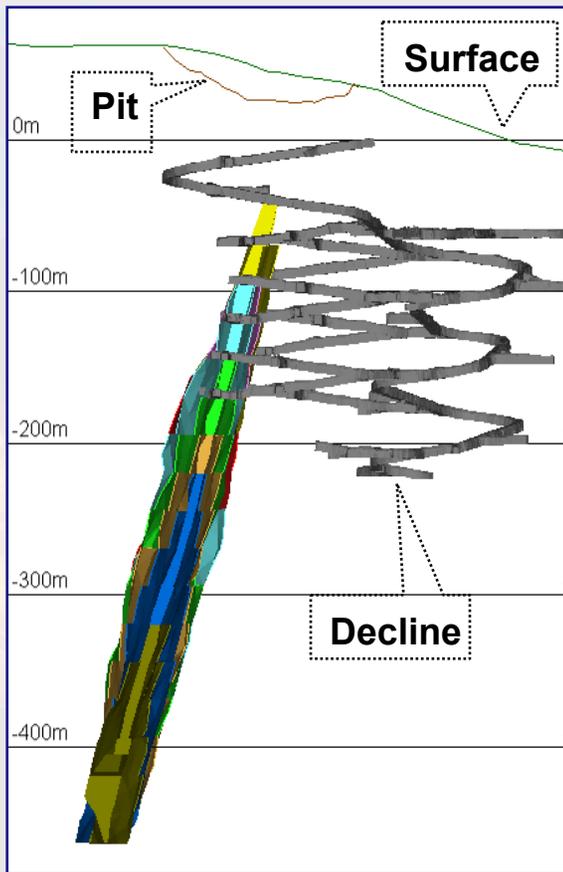
Strong grade continuity

Mining Widths up to 50m

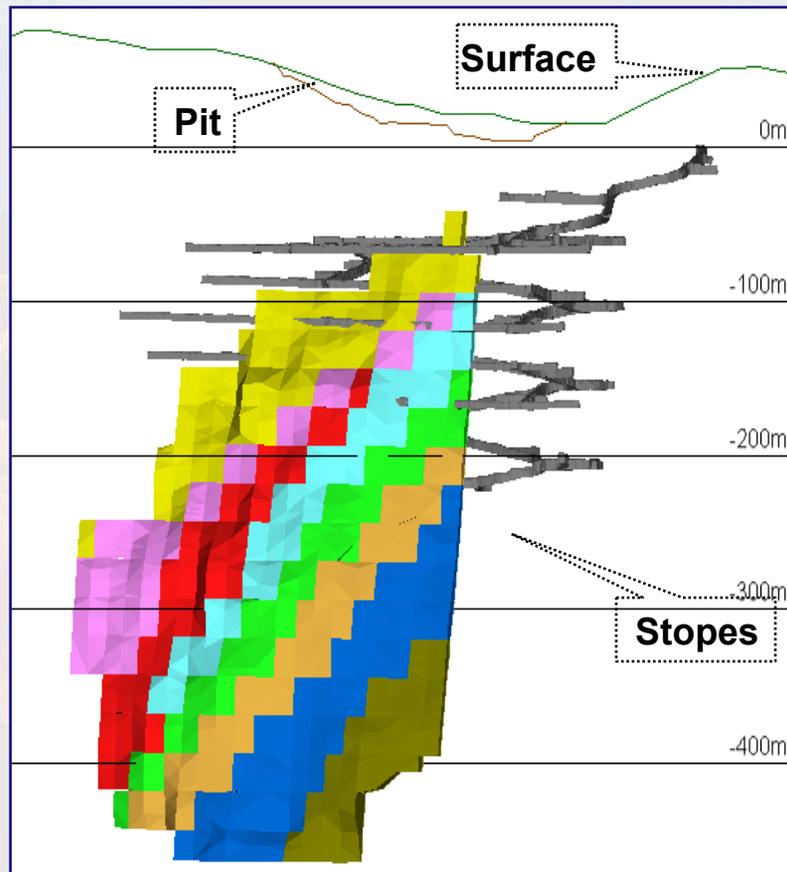
Average true width +25m
Average grade +12g/t

AKWAABA

January 2010



View North



View West

Year
Mined

2010

2011

2012

2013

2014

2015

2016

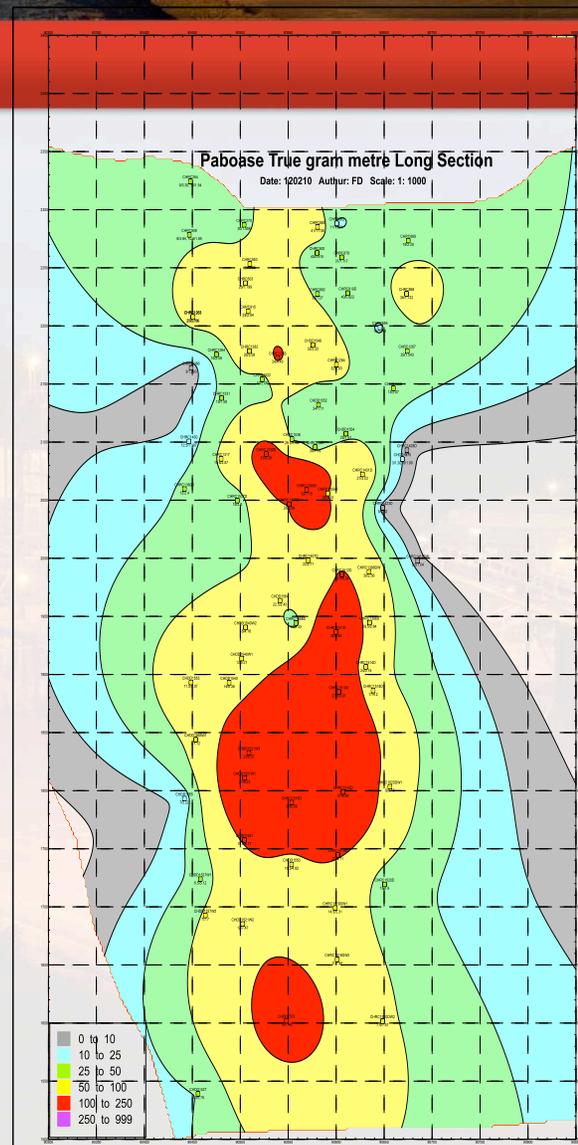
2017

PABOASE

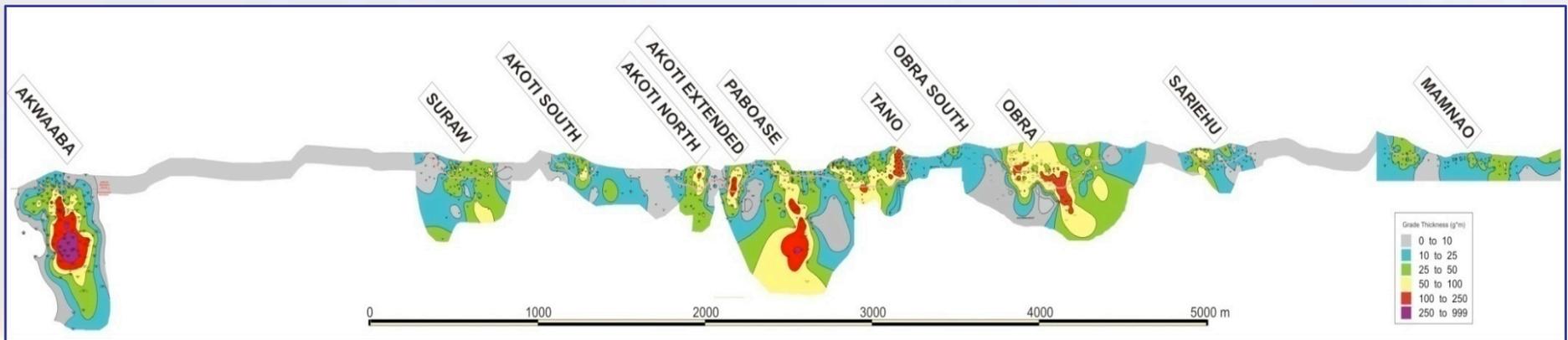
Resource Category	Tonnes (MT)	Grade (g/t)	Ounces
Indicated	1.74	4.43	248,000
Inferred	3.20	5.9	610,000

As at Oct.15, 2009

- **New drill intercepts**
 23m @ 6.06 g/t
 27m @ 5.30 g/t
 42m @ 7.5 g/t
 including 18m @ 10.7 g/t
- **Initial reserve (top levels) Q210**
- **Portal development commencing Q210**
- **Open at depth and along strike**



CHIRANO UNDERGROUND POTENTIAL



- High grade intercepts under all open pits
- Initial Resources at Suraw and Akoti Extended
- Priority Targets include Akwaaba North and Tano
- Will ultimately drill full 10km strike at depth

TASIAST MINE

(Mauritania, RBI 100%)



CIL and dump leach processing

Significant heap leach potential: Pre Feasibility mid 2010

Greenschist Zone

Significant resource/reserve growth potential

Vast under explored project package

Extensive regional exploration initiative



TASIAST

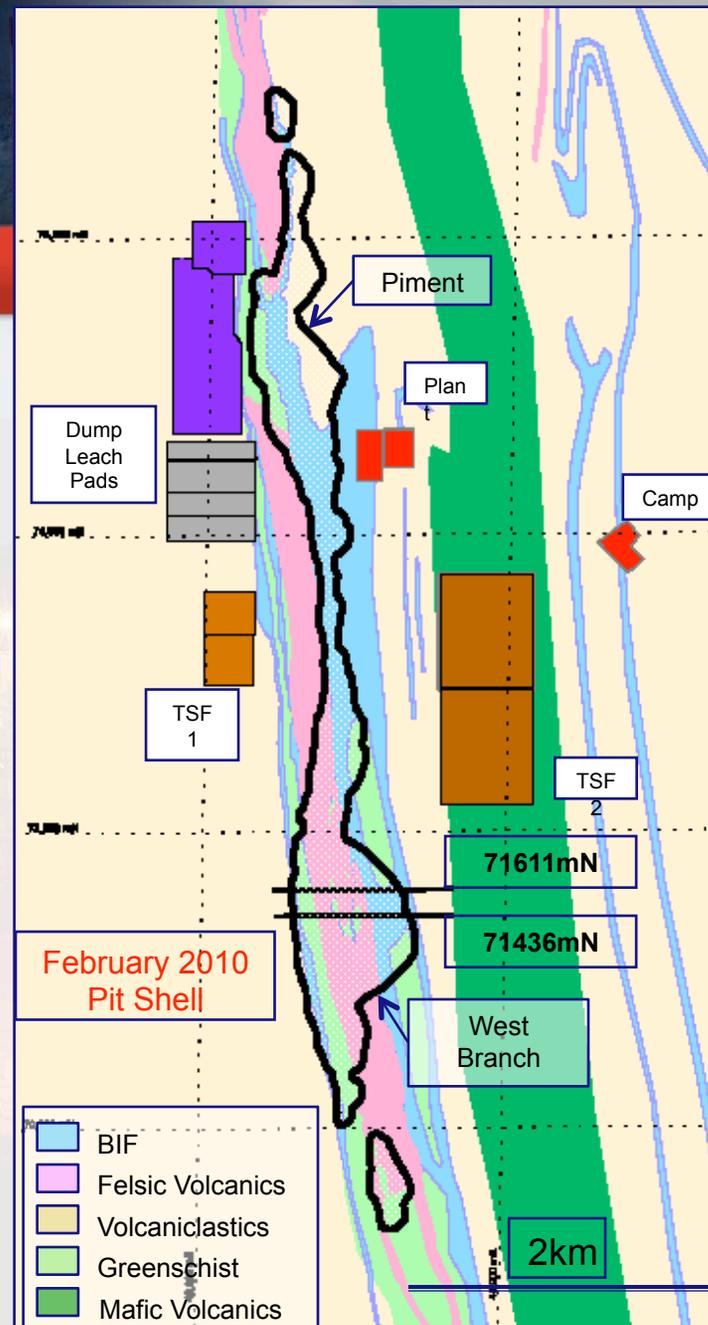
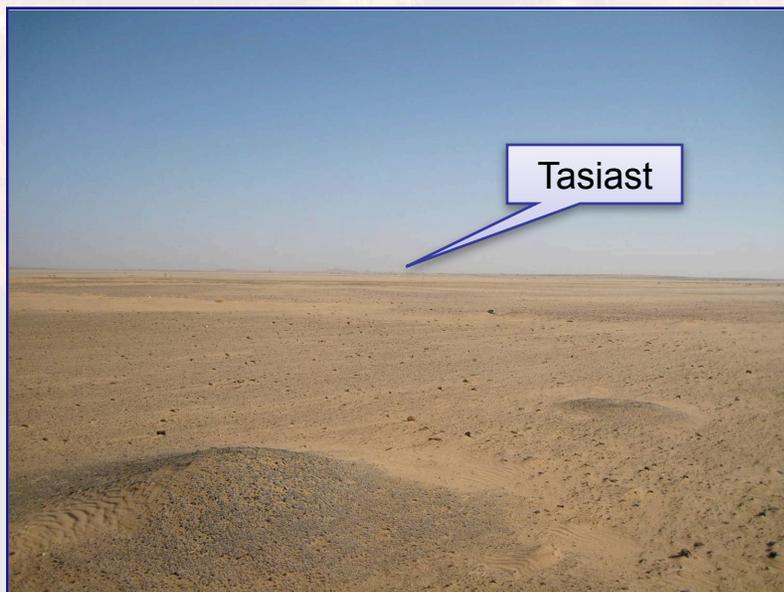
Greenschist Zone

Traced over +1.3 km strike

Open to the north and south and
down dip

True widths 50-100m

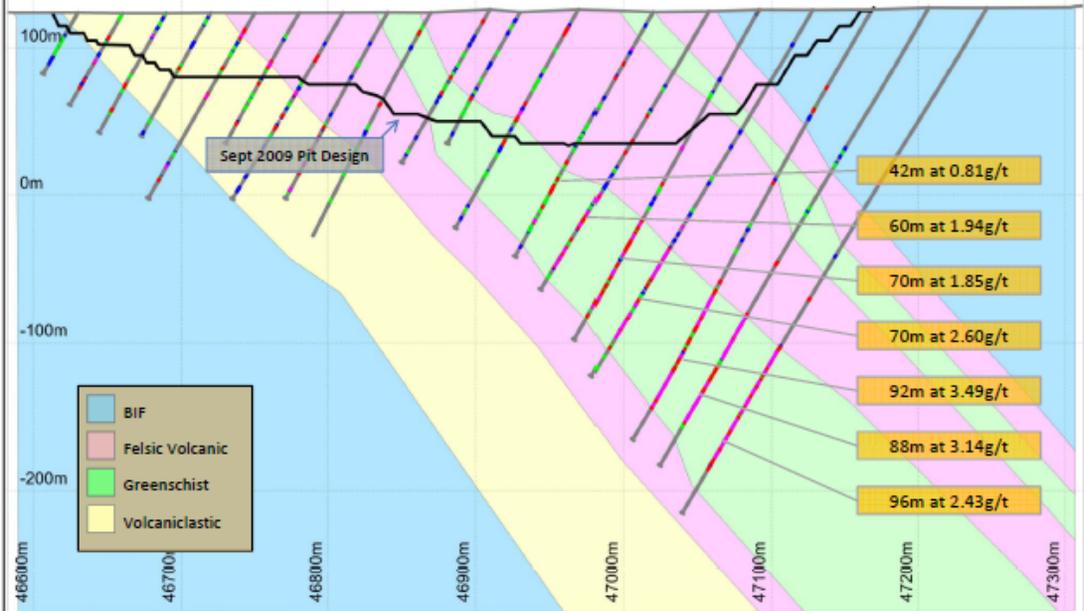
Higher grade than existing reserve



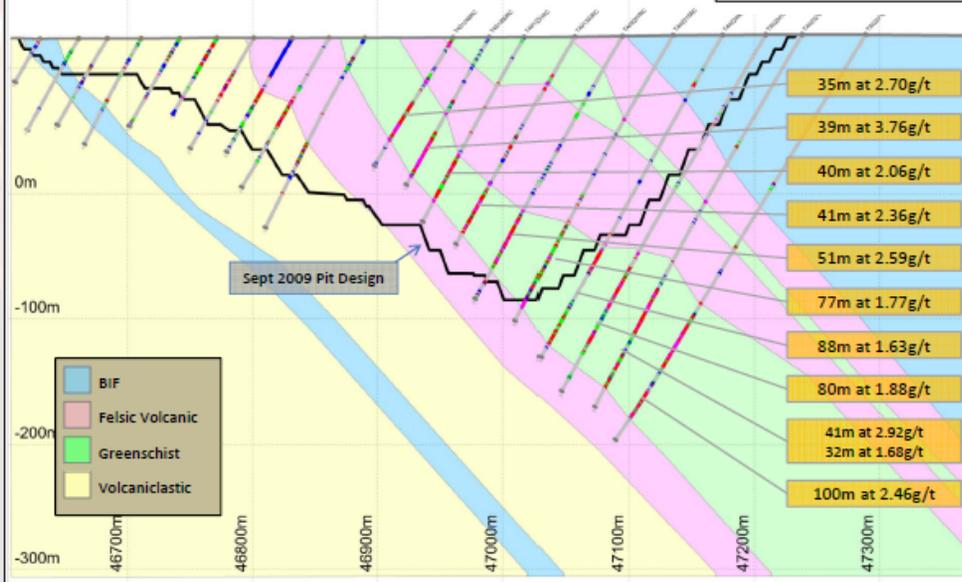
TASIAST

Greenschist Zone

Section 71611mN

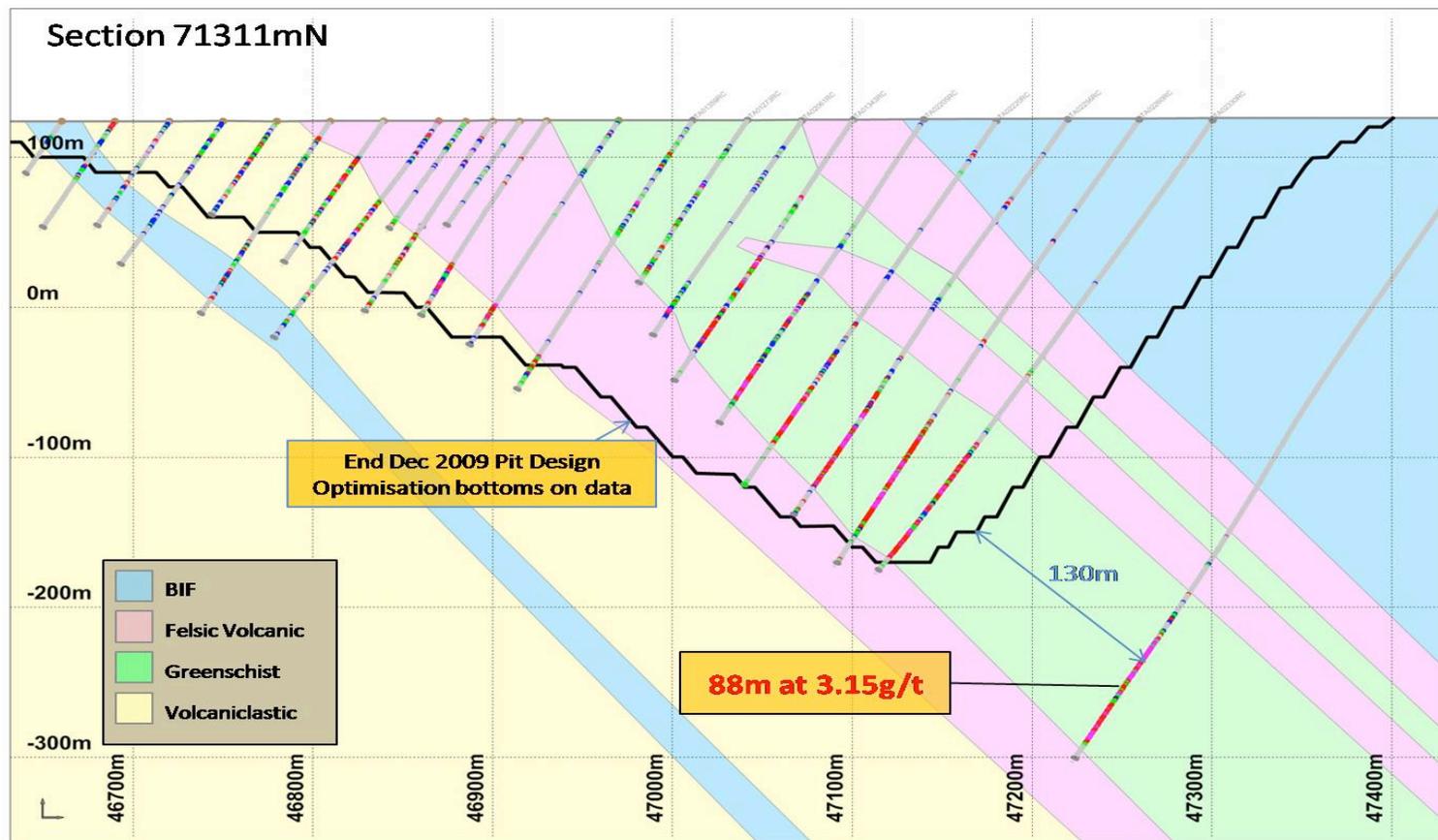


Section 71436mN



TASIAST

Greenschist Zone

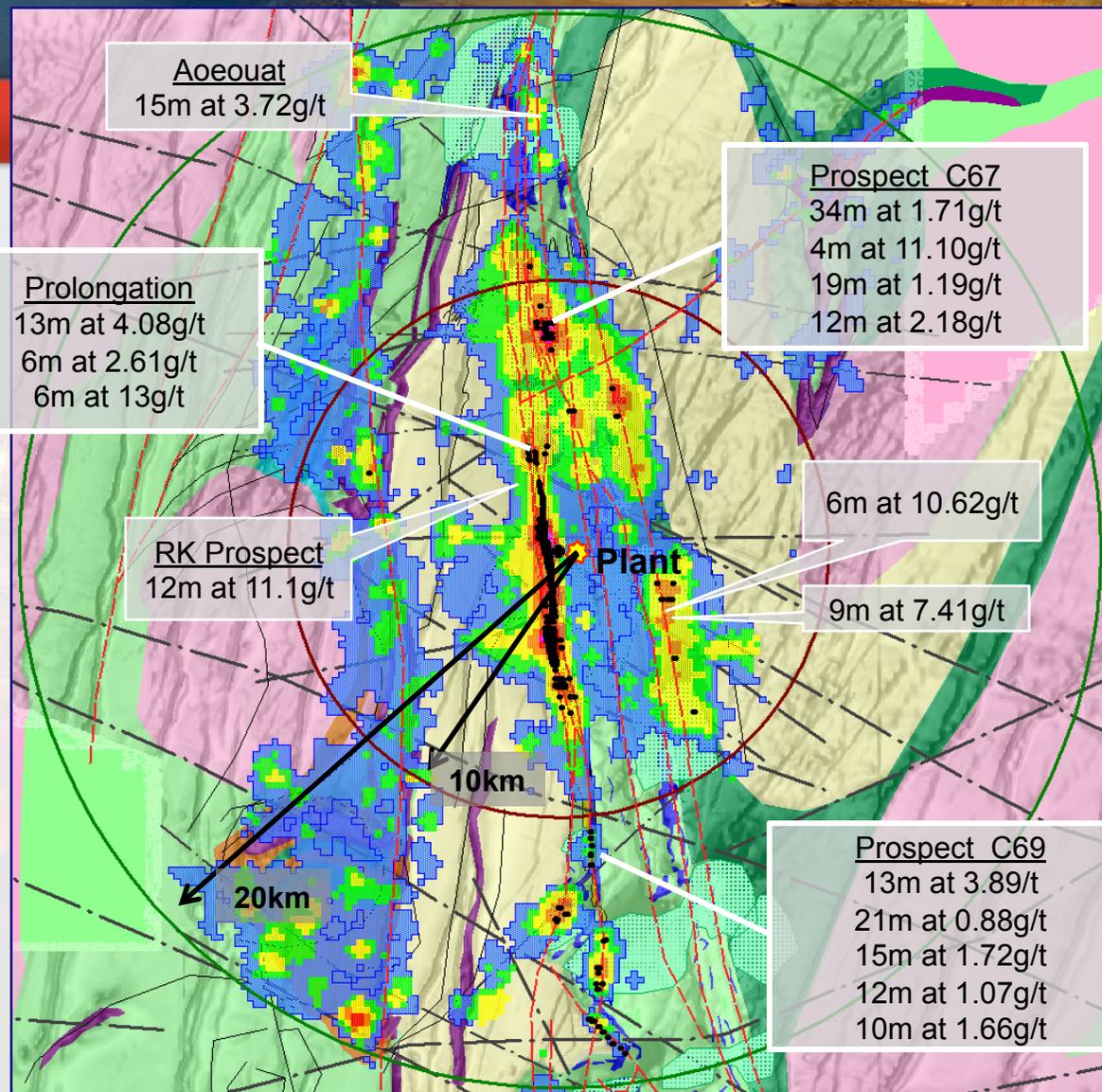


TASIAST REGIONAL UPSIDE 2010

Remarkable continuity of geology

Expand resources within 10km of plant

Test targets within 20km of plant



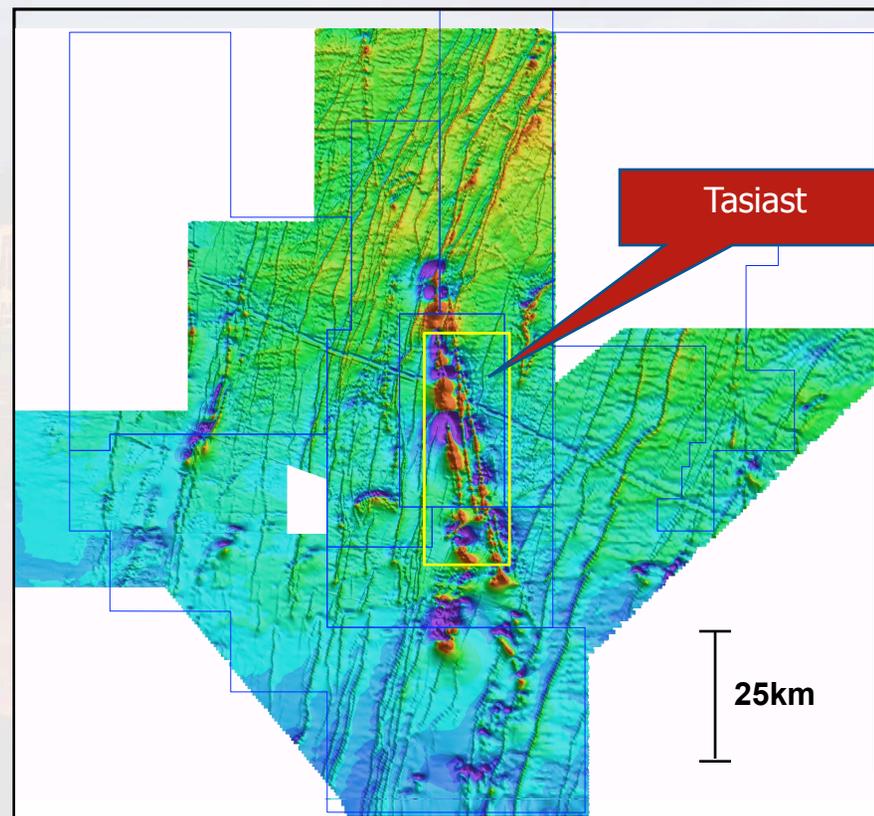
CONTROL OF GREENSTONE BELT

First mine in highly prospective gold belt.

Only 8km of +70 km Tasiast structures explored to date.

Deposit type is highly amenable to geophysics and regional soil geochemistry.

Contiguous land position: 6,300 km²



RED BACK MINING INC

\$150M in cash

No debt + no hedge

Increasing cash flow profile

Capital projects fully funded

Significant production growth profile

Continued exploration success at both projects

Successful record of discovery, development and operations





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