



Anchor Resources Limited (ASX code: AHR)

Recent Advances at Wild Cattle Creek Antimony Deposit

SMEDG Mines and Wines Conference, Mudgee, NSW

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Consulting Geologist 24 September 2010

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What is Antimony (Sb)

- Antimony is a metal but has metalloid properties
- Common form:
 - stibnite Sb₂S₃
 - sulphide mineral
- Dark grey, metallic, nonmagnetic, acicular crystals
- Processed ore products include:
 - concentrates
 - metal ingots (>99.65% Sb)
 - antimony trioxide powder

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Stibnite needles in quartz

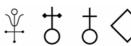
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Antimony: Ancient Uses

- Extends back to 3,000BC
- Cosmetics ("kohl")
- Medicine
- Black pigment for paint
- Alchemy

Queen of Sheba





Sb metal symbols

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Antimony: Modern Uses

- Flame retardant in plastics, rubber, fibreglass and textiles (40%)
- Lead alloys in batteries (20%), other alloys (pewter, solder)
- Glass manufacture, ceramic and porcelain glazes (10%)
- Catalyst in the polyester resin industry (film)
- Semi-conductors (infrared detectors, diodes), dopant
- Medicine (parasitic worm treatment, anti-protozoal drugs)
- Ammunition (primers, bullets), fireworks, safety matches

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Antimony Pricing

- Price surged to record highs
- Up 70% in 2010 !!
- Sb recently traded at US\$4.68/lb or US\$10,325/t
- Rising price factors:
 - Global supply squeeze
 - China cap on domestic production
 - freeze on new mines
 -strict environmental ar
 - -strict environmental and safety crackdown -forced closures of illegal
 - producers

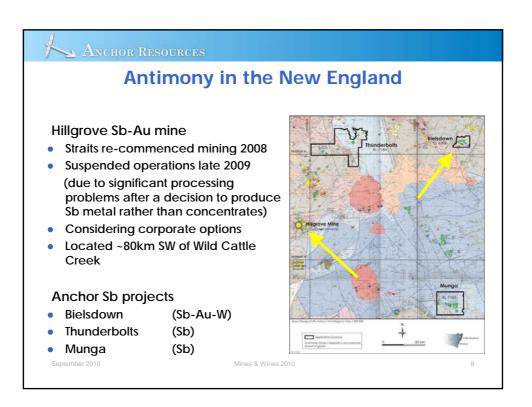
 Global economies recovering
 - Global economies recovering

| Sa,000 | New York dealer average & Metal Bulletin (US\$/I) | S4,000 | S4,000 | S2,000 | S2,000 | S2,000 | S2,000 | S2,000 | S2,000 | S4,000 | S4,0

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ANCHOR RESOURCES Location 40km west Coffs Harbour Dorrigo plateau, 600m ASL New England orogen Coffs Harbour Block 80km NE Hillgrove Sb-Au mine (in an Sb field)



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Wild Cattle Creek Deposit History

1890 First ML applications

1927 Au & W discovered

• 1963-75 Dundee Mines/AAC

1971 Shaft sunk to 165m

Adit to 366m, open cut 7-10m

1992-98 Allegiance Mining

Metallurgy, mine design, EIS

2007 Anchor Resources



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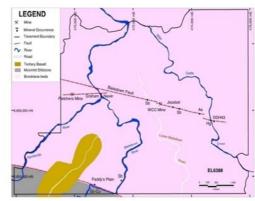
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Regional Geology

- Turbiditic sediments of inferred Late Carboniferous age
- Regional metamorphism to greenschist facies
- >6km long strike-slip fault
- Brittle-ductile deformation
- Stibnite at 6 locations:
 - Sb to 8.22%
 - Au to 1.63 g/t
 - W to 0.37%



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Deposit Geology

- Fine-grained meta-argillite
- Sub-vertical structure
- Multiple deformation events
- Quartz-sericite alteration
- Breccia-hosted mineralisation
- Multiple mineralisation events
- Minimal quartz veining

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Photo courtesy Mason Geoscience 2009

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Mineralisation

- Sb-Au-W-As-Hg zoned system
- High Sb in cemented breccia
- Dominantly stibnite
- Arsenopyrite, minor pyrite
- Wolframite, minor scheelite
- Cinnabar, native mercury
- Multiple events

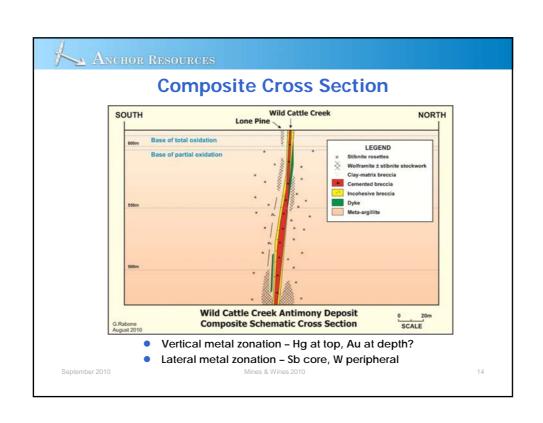


Photo courtesy Mason Geoscience 2009

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2009 Mineral Resource (Inferred)

Cutoff Grade % Sb	Tonnes t	Grade % Sb	Contained Metal Sb tonnes
0.5	880,000	1.99	17,500
1.0	718,000	2.27	16,300
1.5	546,000	2.59	14,100

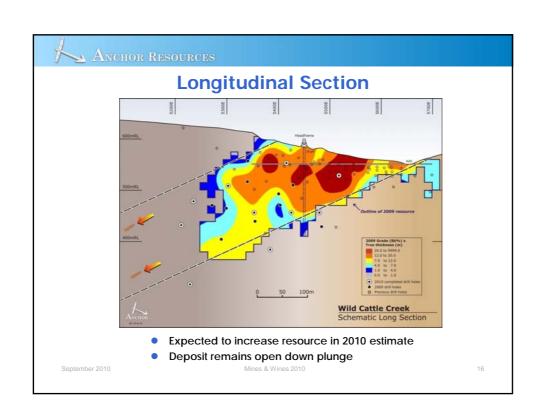
*Refer ASX announcement dated 23 November for details on resource (SRK Consulting)

- Mineral resource estimate by SRK Consulting November 2009
- 3D model and resource only incorporated breccia core zone
- Insufficient data to model peripheral Sb-Au-W stringer zone
- Resource update in progress with 2010 drilling results
- Current antimony price ~US\$10,325/t

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Selec	ted Worl	d Antin	nony Re	esource	S
Deposit * operating	Location	Mt	Sb %	Au g/t	W %
Wild Cattle Creek	Australia	0.88	2.0	?	?
Hillgrove (6 dep.)	Australia	5.84	1.5	4.6	0.02
Costerfield*	Australia	0.65	6.2	12.0	-
Blue Spec	Australia	0.47	1.7	24.3	0.02?
Xikuangshan*	China	12.0	2.5	2.6	?
Wuxi*	China	1.76	6.5	13.0	0.47
Gravelotte*	South Africa	9.78	2.2	2.5	?
Beaver Brook*	Canada	2.12	4.4	-	-
Los Lirios	Guatemala	2.0	2.3	5.4	0.5?
Kadamzhay*	Kyrgyzstan	4.4	3.3	-	-
Los Juarez*	Mexico	1.0	1.8	-	-



Wild Cattle Creek Antimony Deposit - Summary

- Turbiditic sediments (meta-argillite)
- Regional metamorphism to middle greenschist facies
- · Regional 6km fault, strike-slip movement
- Multiple brittle and brittle-ductile deformation events
- Sericite-quartz-sulphide wallrock alteration
- Multiple mineralisation events
- Sb-Au-W-As-Hg geochemical association
- Vertical and lateral metal zonation
- Nearest felsic intrusive 4km

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Orogenic Gold Model

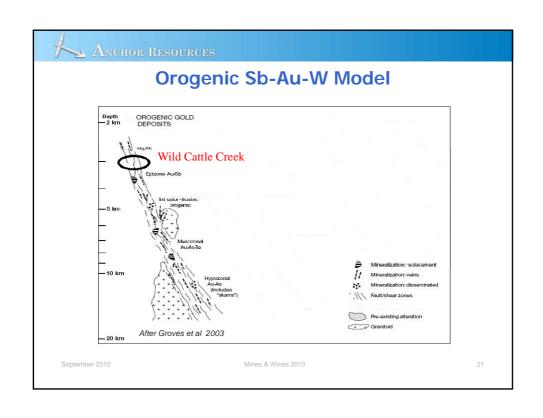
(Groves at al 2003)

- Turbidite accretionary terrane
- Greenschist facies metamorphism of host rocks
- Strike-slip fault movement
- Multiply reactivated regional deformation zone
- Muscovite wallrock alteration assemblage
- Multiple mineralisation events
- Distal relationship with felsic intrusives
- Problematic identification of fluid pathways and metal sources

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Anchor Resources	
Company Pr	rofile
ASX code:	AHR
Listed on ASX:	July 2007
Issued Share Capital ordinary shares unlisted options	39.3 million 2.3 million
Top 20 shareholders Directors/Vendors	55% 33%
Market Cap (23 Sep 2010)	\$6 million
Cash at bank (30 June 2010)	\$0.6 million
Comment: Tightly held	d share structure
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