Exploration Opportunities in Queensland

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Australian Mineral Exploration Investment Seminar, Tokyo
24 February, 2009
SILVER LEAD AND ZINC DEPOSITS

- Operating mine
- Major prospect
- Abandoned mine
Silver Lead Zinc Opportunities

Oz Minerals (www.ozminerals.com)

Century Mine
• 45Mt 12.8% Zn, 1.4% Pb, 32 g/t Ag.
• Annual production 515,000 tonnes Zn in 2008 to reduce to 495,000 tonnes in 2009.

Dugald River Project
• 47.9Mt 12.1% Zn, 2.1% Pb, 44 g/t Ag
• Oz Minerals in Trading Halt – refinancing, examining expressions of interest for its assets.
Silver, Lead and Zinc Opportunities

Copper Strike Limited (www.copperstrike.com.au)

Chloe Project: Resource (Indicated plus Inferred)
2.7 Mt @ 5.1% zinc, 2.0% lead, 0.2% copper & 37 g/t silver.

Jackson Project: Resource (Indicated plus Inferred)
1.5 Mt @ 4.6% zinc, 2.1% lead, 0.1% copper & 74 g/t silver.

Railway Flat Project: Resource (inferred) 0.8 Mt @ 4.3% zinc, 1.4% lead, 0.2% copper & 23g/t silver

Stella Project: Resource (inferred) 0.4 Mt @ 3.9% zinc, 1.8% lead, 0.2% copper & 51g/t silver.
Silver, Lead and Zinc Opportunities

Kagara Limited (www.kagara.com.au)

Balcooma and Dry River South Mines: care and maintenance.
Pb, Zn, Cu

Thalanga Project: inferred resources Vomacka – 602,000t 2.4%Cu, 2.3%Pb 8.9% Zn and 40g/t Au and west 45 deposit - 532,000 t of 0.5% Cu 3%Pb , 7.2% Zn 48 g/t Ag and 0.26g/t Au. Waterloo indicated and inferred 464,000t of 15.55 Zn, 2.95 Cu, 2.2%Pb, 76g/t Ag and 0.14g.t Au.

Mungana Project: Development of Mungana decline and village for evaluation of the 43 Mt Au-Cu-Ag-Mo. Development deferred and all exploration stopped.
COPPER (+/-AU +/-U) DEPOSITS

- **Operating mine**
- **Major prospect**
- **Abandoned mine**
Cudeco Limited (www.cudeco.com.au)
Rocklands Cu, Co, Au Project.

- **Las Minerale**: inferred mineral resource (2006) 25,000,000 tonnes Ore @1.57 % Cu, 818.00 ppm Co, 0.20 ppm Au. Extensive resource definition drilling has produced interesting intercepts (eg 2009 Drill Hole LMRC 207 -132m @ 3.74% Cu (34 – 166m), 149m @ 818ppm Co (17-166m). Drilling continues at Las Minerale and Southern Rocklands within 1000m long x 250m depth section of the potential 1900m strike length.

- **Rocklands**: inferred mineral resource (2006) 2,180,000 tonnes Ore @0.90 % Cu

Advanced Exploration project.
Copper (+/- Au, +/- U) Opportunities

Ivanhoe Australia Limited (www.ivanhoeaustralia.com)

- **Starra line Project:** JORC-compliant Indicated and Inferred Mineral Resource estimate of 30 million tonnes at 0.9% copper and 0.8 g/t Au
- **Mount Elliott Project:** Resource estimate of 2,457,000t contained Cu, 146500 Kg Au; recent intersection 342m at 1.21% Cu, 0.8 g/t Au
- **Mount Dore Project:** JORC-compliant Indicated and Inferred resource of 80 million tonnes at 0.6% copper, containing an estimated 480,000 tonnes of copper (updated to 510 000 t contained Cu); also includes high grade Mo and Re zones – Advanced projects.
Copper (± Au, ± U) Opportunities

Copper Co (www.copperco.com.au)
• The company is currently in voluntary administration.

• Lady Annie Copper Mine - operational

• Mount Kelly Prospect
  Estimated contained metal of 104,286t Cu, 481kg Au.
  Exploration in 2008 outlined >20Mt with 226Kt copper.
**Copper (+/- Au, +/- U) Opportunities**


**Mount Watson Project**

- In 2008 Matrix Metals Ltd was mining copper from Mount Watson (ML90154) as a feedstock to its Leichhardt Processing Plant. Resource for this mine is 76385t copper.

- Mine on care and maintenance but still producing copper cathode from leach pads
Copper (+/- Au, +/- U) Opportunities

Universal Resources (www.universalresources.com.au)

Roseby Copper Project

• In 2008 the project has a drilled resource of 176Mt ore with 0.93Mt copper and 7.7Kt gold from the 10 prospects.

• Work suspended until market conditions improve.
Copper (+/- Au, +/- U) Opportunities

Breakaway Resources (www.breakawayresources.com.au)
FMR Investments Pty Ltd
Eloise Mine

• In 2008 Breakaway Resources announced a resource of 3.5Mt @3.1%copper (108Kt copper, 2.8t gold and 34.7Kt silver).

• The mine has been put currently under temporary care and maintenance by mine owners, FMR Investments Pty Ltd.
Copper (+/- Au, +/- U) Opportunities

Aditya Birla (www.adityabirla.com)

- **Mount Gordon Mine**
- **Esperanza**
  Potential resource of 45,860t Cu
- **Mammoth (includes Esperanza South)**
  Aditya Birla Minerals Ltd reopened the Mammoth underground mine in 2002, Mining operations are focused on the Mammoth underground mine following the exhaustion of the Esperanza open pit in November 2005. Potential resource of 540,000t copper.
- The Mammoth underground mine is on care and maintenance. Currently processing previously mined material.
Copper (+/- Au, +/- U) Opportunities


**Kalman and Kalman South JV Project:** Cu, Au, Mo

- Total resource for Kalman is an inferred 60.8 Mt grading 0.32% Cu, 0.05% Mo, 1.19g/t Re and 0.15g/t Au.
- Advanced exploration project.
- Recent high grade copper drill intersections.
Current Government Policy does not allow mining of Uranium
Uranium Opportunities

Current Government Policy does not allow mining of Uranium


Summit Resources Limited (summitresources.com.au)

Valhalla: inferred resource of 33.3 Mt containing 25 900t U₃O₈

Skal: inferred resource of 7.6 Mt containing 3860t U₃O₈

Anderson’s Lode: inferred resource of 2 Mt at 0.11% U₃O₈

Bikini: inferred resource of 10.1 Mt at 0.05 % U₃O₈

Mirrioola: inferred resource of 0.215 Mt at 0.093 % U₃O₈

Watta: inferred resource of 4.2 Mt at 0.04 % U₃O₈

Honey Pot: Inferred Mineral Resource of 1478.03t U₃O₈

Duke Batman: Inferred Mineral Resource of 836.06t U₃O₈


very resourceful
Uranium Opportunities

Current Government Policy does not allow mining of Uranium

**Exco Resources** (www.excoresources.com.au) – iron oxide copper gold deposits containing uranium and rare earth elements

- **E1 Prospects:** Inferred resources of 3220t of contained $U_3O_8$
- **Monakoff:** Inferred resource of 348t of contained $U_3O_8$
- **Monakoff East:** Inferred resource of 116t of contained $U_3O_8$
Uranium Opportunities

Current Government Policy does not allow mining of Uranium

Mega Uranium Limited (www.megauranium.com)

Maureen Project

• Indicated and inferred resource of 3737t of U₃O₈ and 2299t Mo

Ben Lomond Project

• Ben Lomond – Indicated 1.328Mt at 0.23% U₃O₈; Inferred 0.602Mt at 0.18% U₃O₈
• Ben Lomond east – indicated 1.9Mt at 0.21% U₃O₈
• Exploration projects at Oasis and Two Gees.
Iron opportunities

CBH Resources. (www.cbhresources.com.au)

Constance Range - Deposit A (aka Elizabeth Creek):
  Stratabound – lenticular oolitic hematite /limonite deposit in Proterozoic sediments

  Indicated reserves (BHP 1965): 245Mt @ 51.9% Fe.


Constance Range - Deposit I (aka Elizabeth Creek):
  Indicated reserves (BHP 1965): 21Mt @ 42.2% Fe.

  Constance Range - Deposit P (aka Elizabeth Creek):
  Indicated reserves (BHP 1965): 44Mt @ 46.% Fe.
Iron opportunities

Western Desert Resources Ltd
(www.westerndesertresources.com.au)

Dawsonvale Project

• Oolitic ironstone in unit forming surficial or near surface exposures covering > 400km² – resources are generally high in P
• Indicated resource of 139Mt @37.5% Fe

D’Aguilar Gold Limited with it’s wholly owned subsidiary Ridge Exploration Pty Ltd has an exploration project in the northern Surat Basin and discovered Fe contents from 29 – 49%, with a low P content (0.25 -0.5%).
RARE EARTH ELEMENT DEPOSITS

Scandium, yttrium, lanthanides

- Major prospect
- Abandoned mine
- Mineral occurrence

Cairns
- BELL CREEK SOUTH LEASE

Mount Isa
- MARY KATHLEEN

Townsville

Gladstone
- YATTON
- WATERANGA

Brisbane

Queensland Government
Department of Mines and Energy
Rare Earth Element Opportunities


**Wateranga Project:** Gabbro
Indicated Resource 345m tonnes at 33ppm Scandium


**Nornico Project:** Nickel laterite over serpentinite
Scandium at Bell Creek, Kokomo. Twelve drill holes have defined a very high-grade zone which averages close to 170 g/t Sc and is estimated to contain in excess of 50t of scandium metal adjacent to the Ni, Co mineralisation.

**Mary Kathleen:** historic uranium mine which contained approximately 7M tonnes of ore with 3% rare earth oxides and 0.025% thorium oxide. Most of this material ended up in waste dumps.
Tungsten, Molybdenum Opportunities


**Watershed tungsten Project:** New resource estimate of 15.2 million tonnes at 0.29% WO3, at a cut-off grade of 0.15% WO3, for 44,100 tonnes of WO3.

**Icon Resources Ltd** (www.iconresources.com.au)

**Mount Carbine Project:** Resource of 400,000t at an estimated grade of 0.3% WO3.

**Queensland Ores** (www.qol.com.au)

**Wolfram Camp tungsten prospect:**

Operations suspended after first shipment of concentrates due to weakness in Mo price. The mine has a measured resource of 598200t @ 0.42% W, 0.17% Mo and 0.03%Bi.
Molybdenum Opportunities

Kings Minerals NL (www.kingsminerals.com)

Kalman and Kalman South JV Project
• These prospects contain an inferred resource of 60.8 Mt grading 0.05% Mo, plus Cu, Au, Re.


Anthony prospect
Drilling is continuing to help define a JORC-compliant indicated resource.

Aussie Q (www.aussieqresources.com)

Whitewash copper-molybdenum prospect: porphyry.
• Inferred resource includes 68.5Mt of 0.033 % Mo, 0.10% Cu and 1.2g/t Ag. New high grade zone at Gordon’s.
Molybdenum Opportunities

Minotaur Exploration Limited
(www.minotaurexploration.com.au)

Black Mountain Mo-W prospect:
Best intersection BMRC06-10: 7m at 0.59% MoS2 and 0.18%WO3 from 36m to end of hole (43m), including 1m at 3.26% Mo and 0.99% W (37-38m).

Ivanhoe Australia Limited
(www.ivanhoeaustralia.com)

Merlin Project: Includes high Mo and Re zones near Mount Dore which will upgrade the copper resource. Recent intersection 67 metres at 1.28% Mo, 29.2 g/t Re and 0.13% Cu.
Additional Information

Queensland Exploration Opportunities

- A welcoming and supportive government
- Good infrastructure and skills
- Freely available, new and historical exploration data
- Large areas under cover, poorly explored
- Global explorers welcome.

Thank You.

I look forward to seeing you in Queensland