NEW SOUTH WALES MINERAL INVESTMENT OPPORTUNITIES

Lindsay Gilligan
Director
Geological Survey of New South Wales

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NEW SOUTH WALES MINERAL OPPORTUNITIES

WORLD CLASS DEPOSITS
- COAL
- COPPER
- GOLD
- ZINC
- LEAD
- MINERAL SANDS

EXCELLENT POTENTIAL
- ANTIMONY
- TIN - TUNGSTEN
- MOLYBDENUM
- NICKEL - COBALT
- RARE EARTHS
- PGEs
- IRON
NSW – Host to World-Class Deposits and Opportunities!

**Thomson Orogen**
- A major new mineral province
- Recent frontier targets identified

**Delamerian Orogen**
- Orogenic Au
- Magmatic Ni
- VMS Cu
- Porphyry Au-Cu

**Curnamona Province**
- World-class Zn-Pb deposits
- Major potential for copper

**Murray Basin**
- World-class mineral sands province

**New England Orogen**
- Intrusive-related Sn-W-Mo-Au
- Orogenic Au-Sb

**Lachlan Orogen**
- World-class porphyry Au-Cu
- Intrusive-related Sn-W-Mo-Au-Cu
- Cobar-type Zn-Pb-Cu-Au
- VMS Zn-Pb-Cu
- Lateritic Ni
- Orogenic Au
NW DEPARTMENT OF PRIMARY INDUSTRIES
MINERAL RESOURCES

NEW SOUTH WALES RESOURCES  MAJOR METAL MINES

Thomson Orogen

Endeavor Pb-Zn-Ag

Cadia - Ridgeway (Au-Cu)

Tritton (Cu)

The Peak (Au-Cu)

Northparkes (Cu-Au)

Lachlan Orogen

Broken Hill (Zn-Ag-Pb)

Broken Hill Block

Murray Basin

Cadia - Ridgeway (Au-Cu)

Cowal (Au)

Cadia - Ridgeway (Au-Cu)

Cowal (Au)

Sydney

Hillgrove (Au-Sb)

Major Operating Mine
(December 2008)
Copper Resources

Examples of opportunities
- Golden Cross Resources - Copper Hill
- Goldminco - The Dam
- Mincor - Tottenham Northparkes

Copper Mine
Resource
Emerging Project

Examples of opportunities
- Golden Cross Resources - Copper Hill
- Goldminco - The Dam
- Mincor - Tottenham

Copper Mine
Resource
Emerging Project
Cobalt Resources

Examples of opportunities
- Jervois Mining - Young
- Ivanplats Syerston - Syerston
- Augur Resources - Collerina
- Heritage Gold NZ - Thackaringa

Resource
Emerging Project
Zinc Resources

Examples of opportunities

- Pinnacles Mines Pty Ltd
- Tri-Origin - Woodlawn
- Sultan Corporation - Peelwood, John Fardy
- Argent Minerals - Kempfield
Tungsten Resources

Examples of opportunities

- Peel Exploration Ltd - Attunga
- Paradigm Metals - White Rock
- Cullen Resources - Minter
- Wolf Minerals - Yanco Glen

Resource
Emerging Project
Platinum Group Elements

Examples of opportunities
Rimfire Pacific - Fifield

Emerging Project

Lachlan Orogen

40m @ 0.43 g/t Pt with
5.7m @ 1.18 g/t Pt

New England Orogen

Thomson Orogen

Broken Hill Block

Fifield

Sydney

Sydney
Examples of opportunities

- Auzex Resources - Kingsgate
- Moly Mines - Mt Tennyson
Rare earth elements

Examples of opportunities
Toongi - Alkane Resources
Narraburra - Capital Mining
## Projects for Rare

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Project Name</th>
<th>Status</th>
<th>Company Operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zr, Rare Earths</td>
<td>Narraburra</td>
<td>Emerging</td>
<td>CAPTIAL MINING LI</td>
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<tr>
<td>Zr, Y, Nb, Ta</td>
<td>Dubbo Zirconia (Toongi)</td>
<td>Resource</td>
<td>ALKANE RESOURCES</td>
</tr>
</tbody>
</table>

**Figure 1:**

- **Narraburra Rare Metal and Zircon-Bearing Heavy Mineral Sands Prospects**
- **Interpreted outline of palaeo-channel and deep lead targets**
- **Thorium radiometric anomaly coincident with predicted heavy mineral sands concentration**
- **Bedrock mineralization target under shallow cover with coincident magnetic high**
- **Narraburra Prospect:**
  - Zirconium, rare metals resource to 40m open to west
  - 55 mt @ 0.15% RM-REE inc 5 t/g thorium oxide
  - Thorium radiometric anomaly coincident with exposed granite massif

[Map of Narraburra Rare Metal and Zircon-Bearing Heavy Mineral Sands Prospects]
Iron Resources

Examples of opportunities
Eastern Iron - Cobar region
Opportunities for Iron in NSW

Cobar Project Area

REFERENCE
- Operating metallic mines
- Deepwater port and ship loading facility
- Iron, steel or product finishing mill
- Proposed iron, steel or product finishing mill
- Major town or city
- Major roads
- Pipeline
- Proposed pipelines
- Railway
- Cobar pantanal

LEGEND
- Eastern Iron Application
- Eastern Iron Licence
- Eastern Iron - Drysdale JV
- Mine
- Pallarenda channels DOG
- Palaeochannels DOG
- Railway
- Major road

Map showing locations such as Cobar Project, Bolah Tank Prospect, Oakvale Prospect, and others with relevant geological and industrial markers.
Examples of greenfields opportunities

Porphyry Cu - Meridian Minerals
Massive sulphide Zn - Minotaur/JOGMEC
Tungsten - Compass Resources
THOMSON OROGEN
NEW OPPORTUNITIES
Under Cover

Companies
Minotaur - JOGMEC
Platsearch
Proto Resources
Meridian
Compass

Exploration Licences (Jan 2009)
Exploration opportunities

Numerous active exploration companies - many seeking partners

Metal exploration opportunities extend across the State
Find it in New South Wales

Thank You