Exploration Update:
White Rock Tungsten & Frogmore Copper Projects, Boorowa NSW

Managing Director - Graham Carman
AGENDA

- Introduction of Company
- NSW project snap-shot
- Frogmore Copper project
- White Rock Tungsten project
- Other opportunities
COMPANY SNAPSHOT

Date Listed on ASX:
• November 2003 (formerly Paradigm Gold Ltd)

Nature of Business:
• E Australia explorer (Sydney base)
• Aiming for production in short term
• Acquired new projects in last 12 months
• Tungsten: NSW
• Copper – Base Metals: NSW
• Uranium: QLD

Codes:
• PDM, PDMO
AUSTRALIAN PROJECTS

- **PDM**: tungsten/base metals
- **PDM**: uranium
- **PDM**: gold/silver for farm-out
- Significant deposit example

Paradigm Metals
TUNGSTEN & COPPER - NSW

- 4 hours from Sydney
- Excellent infrastructure, near railway
- Bitumen road to main prospects
- 120km south from Orange, Cadia
Geology

- edge of Cowra Trough
- 50km strike along mineralised structure, contact with Ordovician
- Main projects 25km from Boorowa
FROGMORE COPPER

- Acquisition early 2007, part of tungsten deal
- Old Frogmore: approx 15,000 tonnes @ 10%Cu mined, smelted on site
- Minimal modern exploration: Airborne EM surveys in ‘70s, self potential, few holes ‘90s
2007: Completed work

- Gossan prospecting, mapping
- Soil sampling
- IP geophysics
- Aircore & RC drilling
- 3 Diamond holes
**FROGMORE Geology**

- Mineralised trends NNW & NNE
- Strong N-S foliation in volcanics
FROGMORE Soils
Old & New

Pre-Paradigm drill holes

Copper soils ppm
- 3,800 to 14,100 (3)
- 200 to 3,800 (21)
- 100 to 200 (47)
- 0 to 100 (206)

Lead soils ppm
- 620 to 1,440 (6)
- 130 to 620 (22)
- 50 to 130 (101)
- 0 to 50 (148)
• numerous anomalies
• confirmed Pride of Frogmore trend as high priority
• RC drilling: lots of smoke Cu-Pb-Zn
• Best 3m @ 2% Cu: FRC006 under old Pride of Frogmore
- FRC006: 3m @ 2% Cu
- Diamond hole under FRC006
- DDH1: 9m @ 1.9% Cu
  15m @ 2% Cu
  True width: 12m @ 2% Cu
  Best 0.8m @ 8% Cu
- Increasing thickness with depth, or plunging?
Hawkins Volcanics (Silurian)

Strongly sheared, altered

Volcaniclastics between hanging wall & footwall ignimbrites

Deformation concentrated in sediments, mineralisation
Drilled 3 diamond holes
Presumed NE strike

"Pride of Frogmore" workings

mineralised trend open along strike

"Frogmore" workings

Structural interp

Paradigm drill hole
Drill hole (not Paradigm)
Significant copper intercept
FROGMORE CU MINERALISATION
FDD001

158m

257m

159m
FROGMORE CU MINERALISATION
FDD002 & FDD003

- Assays still awaited
"Pride of Frogmore" workings

mineralised trend open along strike

"Frogmore" workings

2nd derivative TMI
FROGMORE LONG SECTION

Southwest       Surface       X       X       Northeast

0
Depth of oxidation

13m @ 0.4%(oxide)   FC3

2m @ 1.7%

FC7

FRC006

3m @ 2%

FDD003

Assays awaited

10m @ 1.9%

14m @ 2%

FDD001

Planned RC drill holes

Old workings close

FROGMORE LONG SECTION

Assays awaited

100m

X

Old workings close

Assays awaited

X

Planned RC drill holes

X

100m
FROGMORE : COBAR TYPE?

- Similar in style to **COBAR (CSA)** copper deposit?:
  
  **Discussion points**
  - mineralisation is post deformation, remobilised
  - adjacent to large NNW basin fault
  - pyrrhotite (pyrite) association
  - alteration (black chlorite, lesser sericite & silicification)
  - Zn, Pb, Ag, Bi, Au association
  - not VHMS, porphyry, epithermal
  - Differences: Silurian volcanic host

**FROGMORE TARGET:**
Multi-million tonne copper deposit
FROGMORE: Planned programmes

**2007:**
- RC Drill program Sep-Oct
- Detailed airborne geophysics (mag, EM)
- Diamond drill later in year

**2008:**
- Aim for calculation of initial resource early 2008
WHITE ROCK TUNGSTEN

- Acquisition early 2007
- Skarn deposit related to Dev granite
- Replacement of limestone within Douro Gp (Hawkins Volcanics)
- Workings date back to early 1900s, small open pit 1950s
- Tungsten occurs as scheelite, minor wolframite,
- Magnetite, molybdenite, tin credits
WHITE ROCK TUNGSTEN: Paradigm exploration

2007: Completed work

- Detailed ground magnetics, 20 sq km (10, 25, 50m spaced lines)
- Initial Resource Calculation
- Prospecting, mapping
- Aircore & RC drilling
WHITE ROCK TUNGSTEN

TMI – all ground data

Identified skarns

White Rock
WHITE ROCK TUNGSTEN

TMI – all ground data

Mineral Resource:
150,000 tonnes @ 0.9% WO3
- based on 20 drill holes
- Pre-Paradigm, mostly 1950s

Resource envelope
WHITE ROCK TUNGSTEN GEOLOGY INTERPRETATION

Unaltered granite
Sericitised granite
greissen

150,000 tonnes at 1% WO3 (red ellipse)

LEGEND
Limestone
Tungsten skarn (projected)
Granite
Inferred Resource
Results of May07 drilling

- 12 m @ 1.54% WO₃ and 428 ppm Mo
- 8 m @ 1.80% WO₃ and 138 ppm Mo
- 4 m @ 1.0% WO₃ and 176 ppm Mo
- 11 m @ 0.40% WO₃ and 0.16% SnO₂
- 3 m @ 0.27% WO₃ and 0.44% SnO₂

- Several new intersections outside resource envelope
- High grade tungsten core, moly
- Tin halo
WHITE ROCK TUNGSTEN
Good potential to expand resource
• METALLURGICAL TESTWORK
• preliminary tests underway
• gravity/mag sep
• magnetite suitable for coal industry
• thousands of tonnes ore ‘at grass’
• save on metallurgical costs

High-grade ore stock piled
TUNGSTEN MARKET & USES
- Hard Metals: tungsten carbide 2nd hardest substance
- High Density: ballast, sports
- High Melting Point: light filaments

SUPPLY AND MARKET
- Price around $24,000 per tonne WO₃
- 1% WO₃ approximates 10g/t gold equivalent
- Demand likely to continue with current growth in Asia
- China produces 85% of world supply, now a net importer
- Few reliable suppliers of tungsten in the west
Current Resource 150,000t at 0.9% WO₃ (9g/tAu eq)

If Deposit of 500,000t grading 0.9% WO₃ is found…..

- Mined over 5 years as open cut, strip ratio of 6:1
- US$250 per tonne MTU WO₃, 75% recoverable
- Saleable WO₃ = 67,500 MTU
- Capex of $18 million
- Total operational cost = $64/MTU
- Cash costs = $80/MTU
- Mine payback = 1.3 years

Operational Cash Flow = $13 million per year

**Main sensitivities: W price, grade, Source Far East Capital**
2007-2008:
• Metallurgical test work underway (simple gravity & magnetics)
• RC drill program Sep-Oct 2007
• Aim for recalculation of resource late 2007
• Consider pre-feasibility after that
COPPER
- Frogmore RC drilling Sep07, planned 2\textsuperscript{nd} diamond round Nov07
- Acquire detailed magnetics ASAP

TUNGSTEN
- White Rock Resource drilling late Sep07
- Resource update Sep-Nov07, met testing ongoing
Cloncurry - Uranium Radiometrics

20% of rock samples > 100ppm U

16% of rock samples > 75ppm Mo

Radiometrics

Uranium in rocks
ppm (no. samples)
- 200 to 300 (3)
- 100 to 200 (33)
- 30 to 100 (56)
- 0 to 30 (117)

Molybdenum in rocks
ppm (no. samples)
- 150 to 250 (1)
- 75 to 150 (33)
- 30 to 75 (48)
- 0 to 30 (127)

Paradigm permits

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