

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



Paradigm
Metals

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)

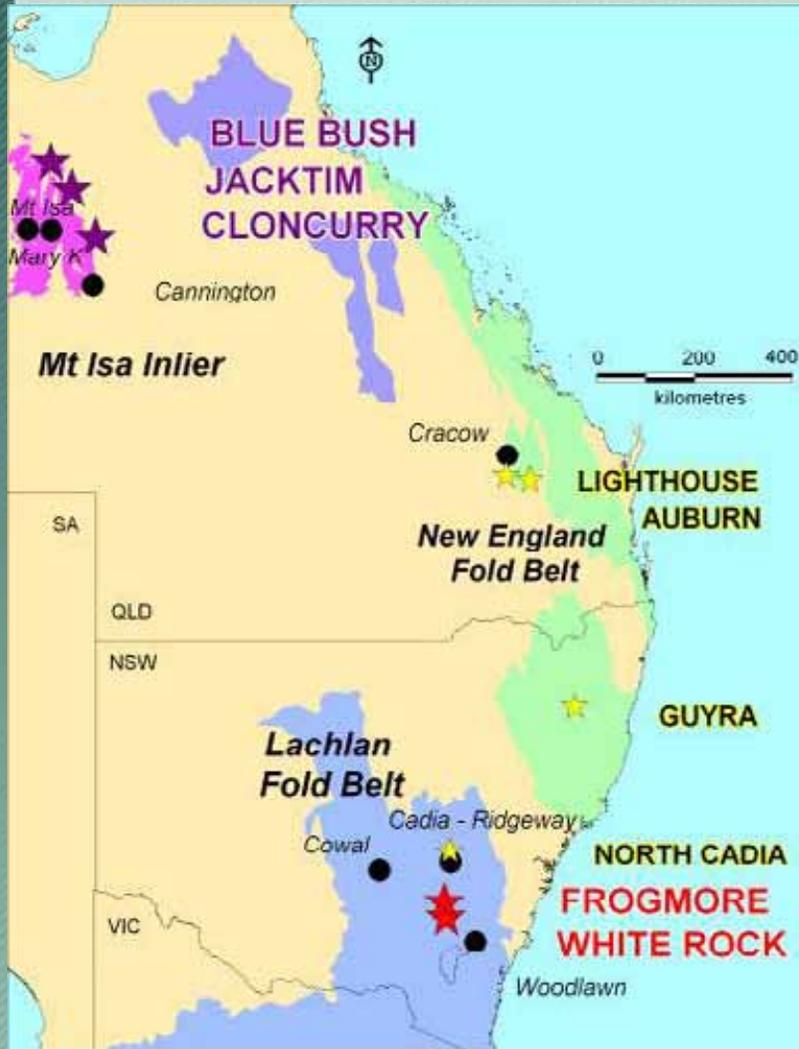
Nature of Business:

- 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:

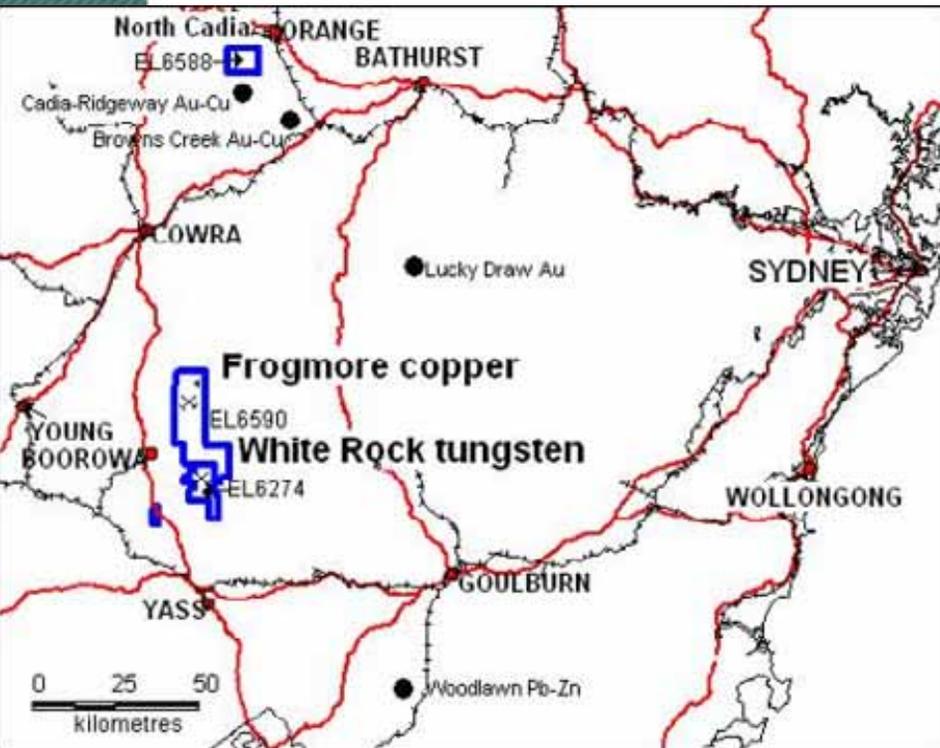
- PDM, PDMO

AUSTRALIAN PROJECTS



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

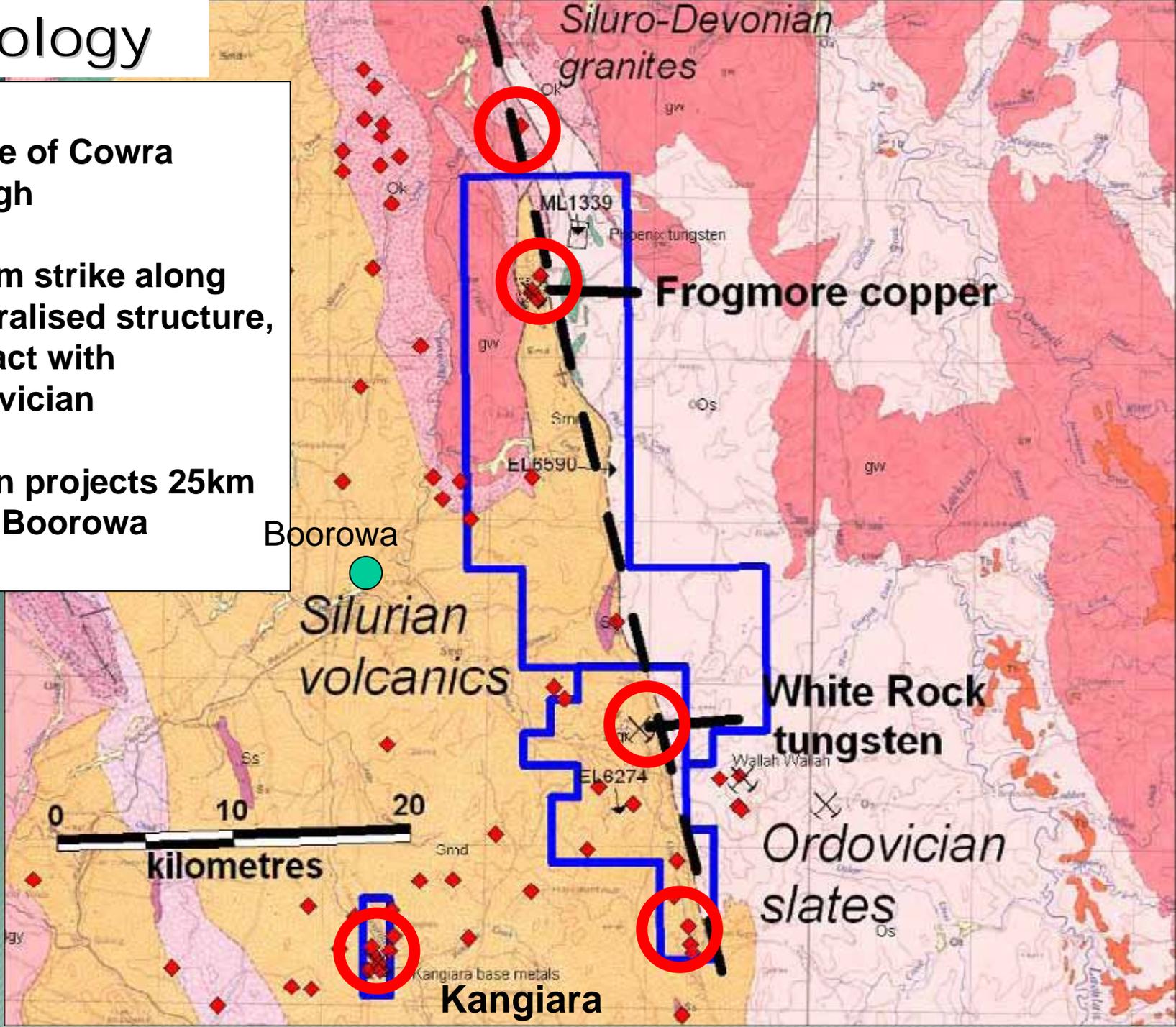
TUNGSTEN & COPPER - NSW



- 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

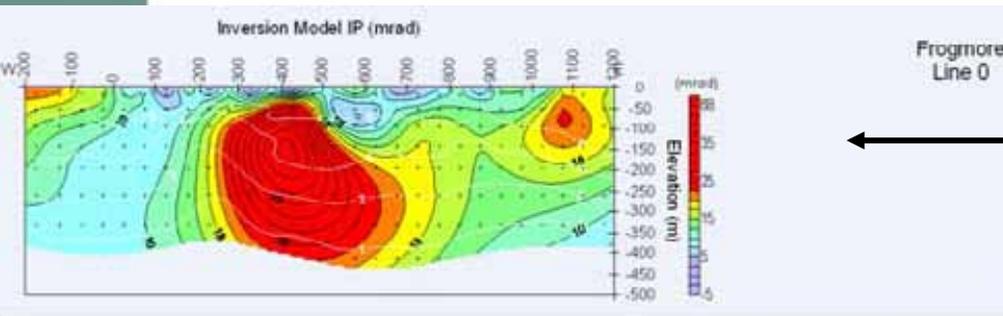


FROGMORE COPPER

Frogmore circa 1890



- 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



Paradigm IP geophysics

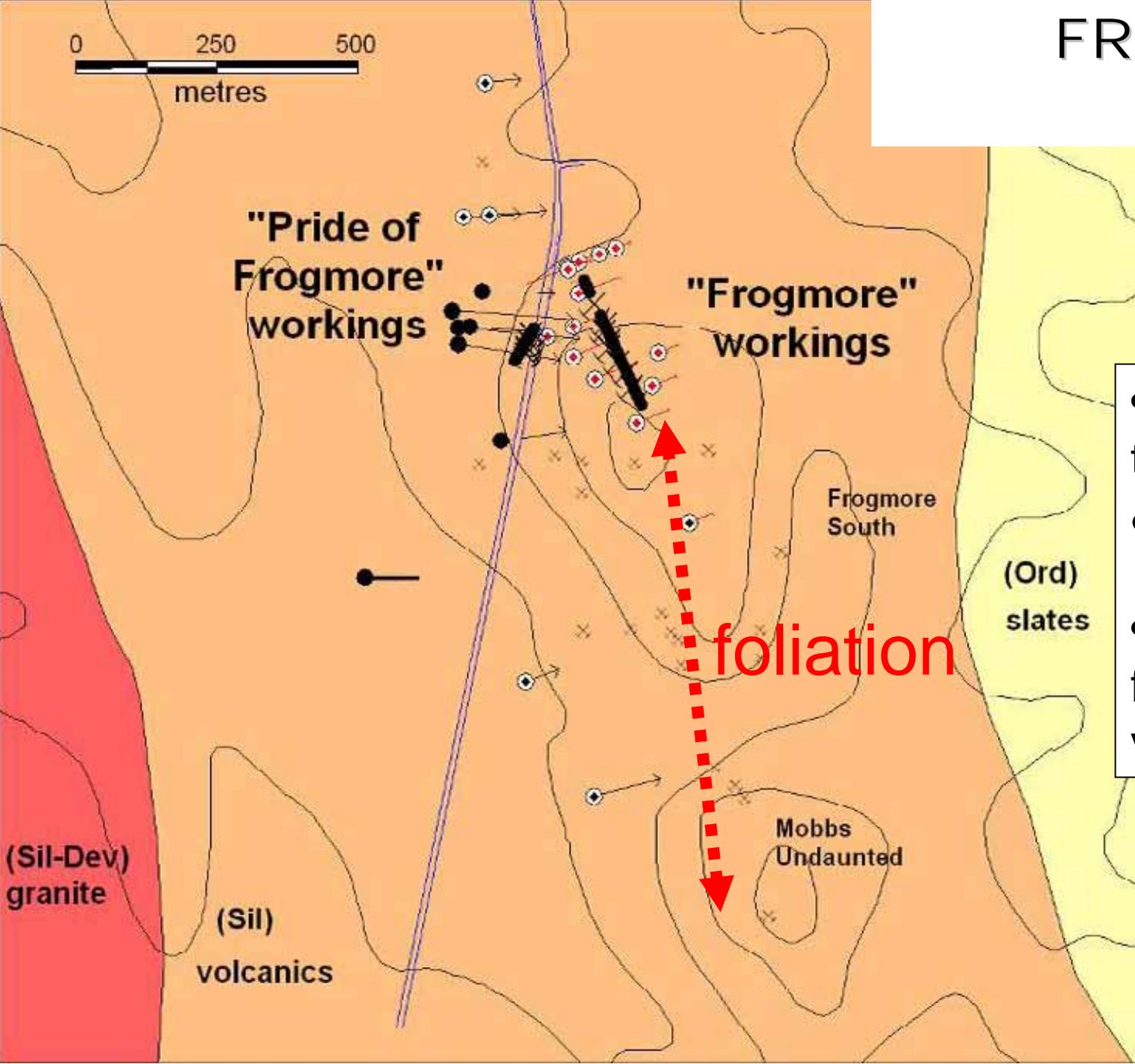


FROGMORE: Paradigm exploration

2007: Completed work

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

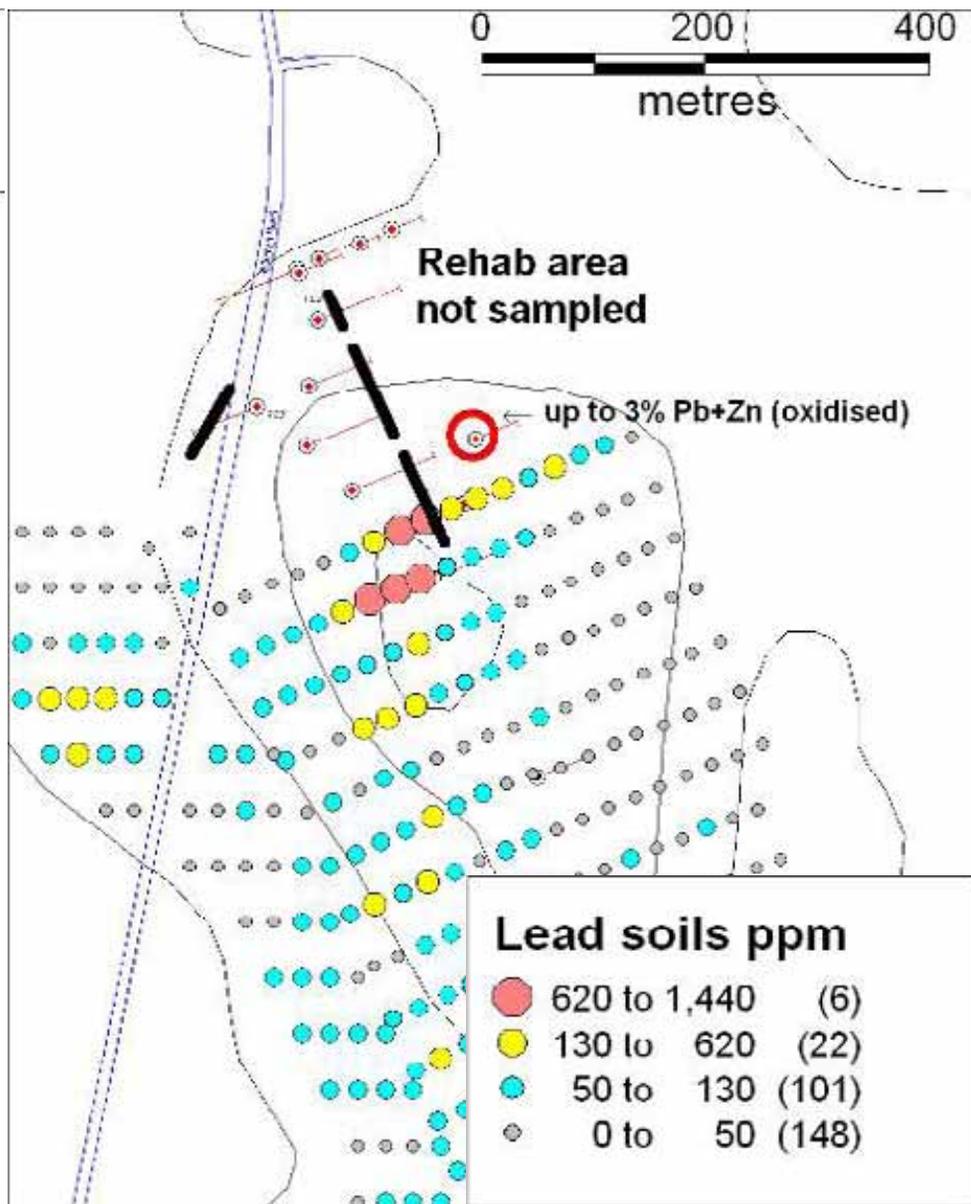
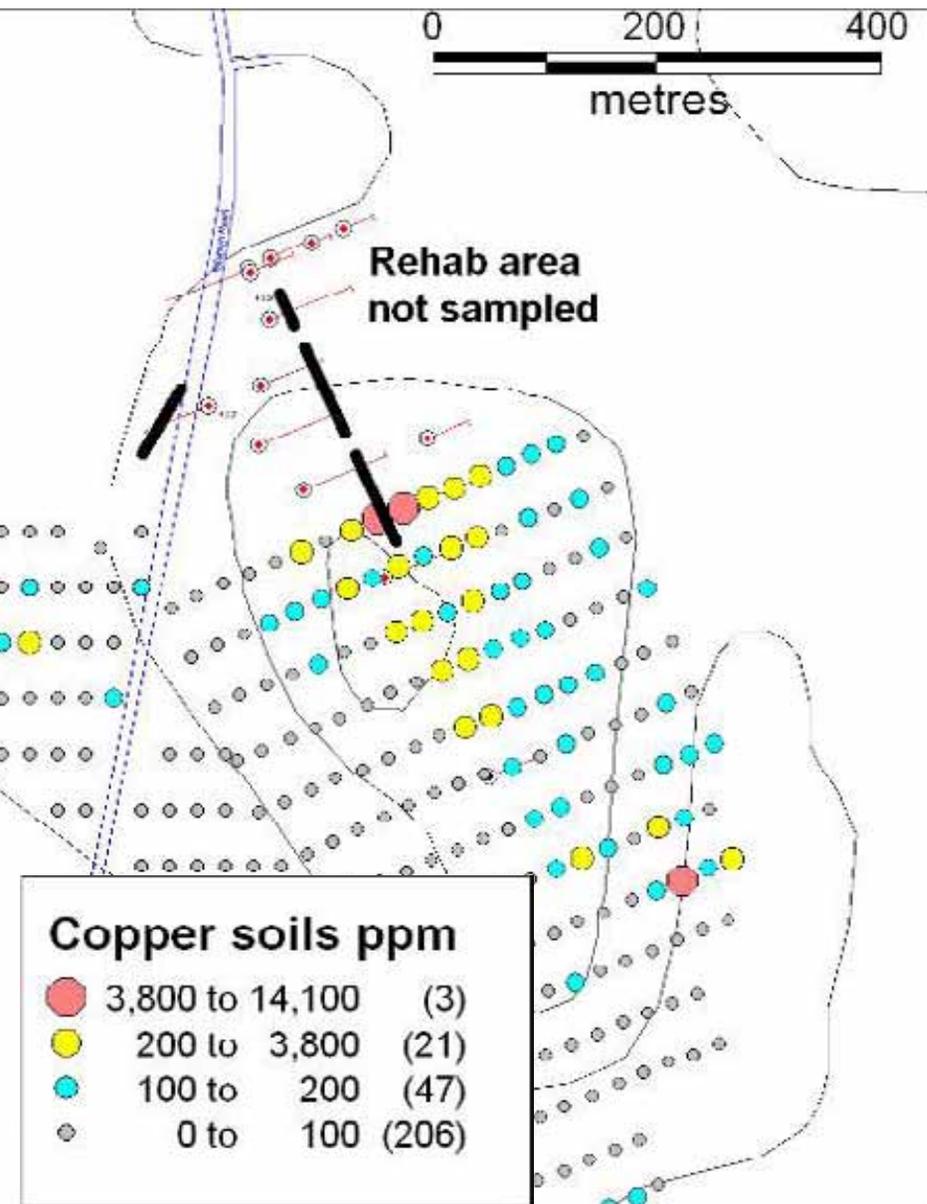
FROGMORE Geology



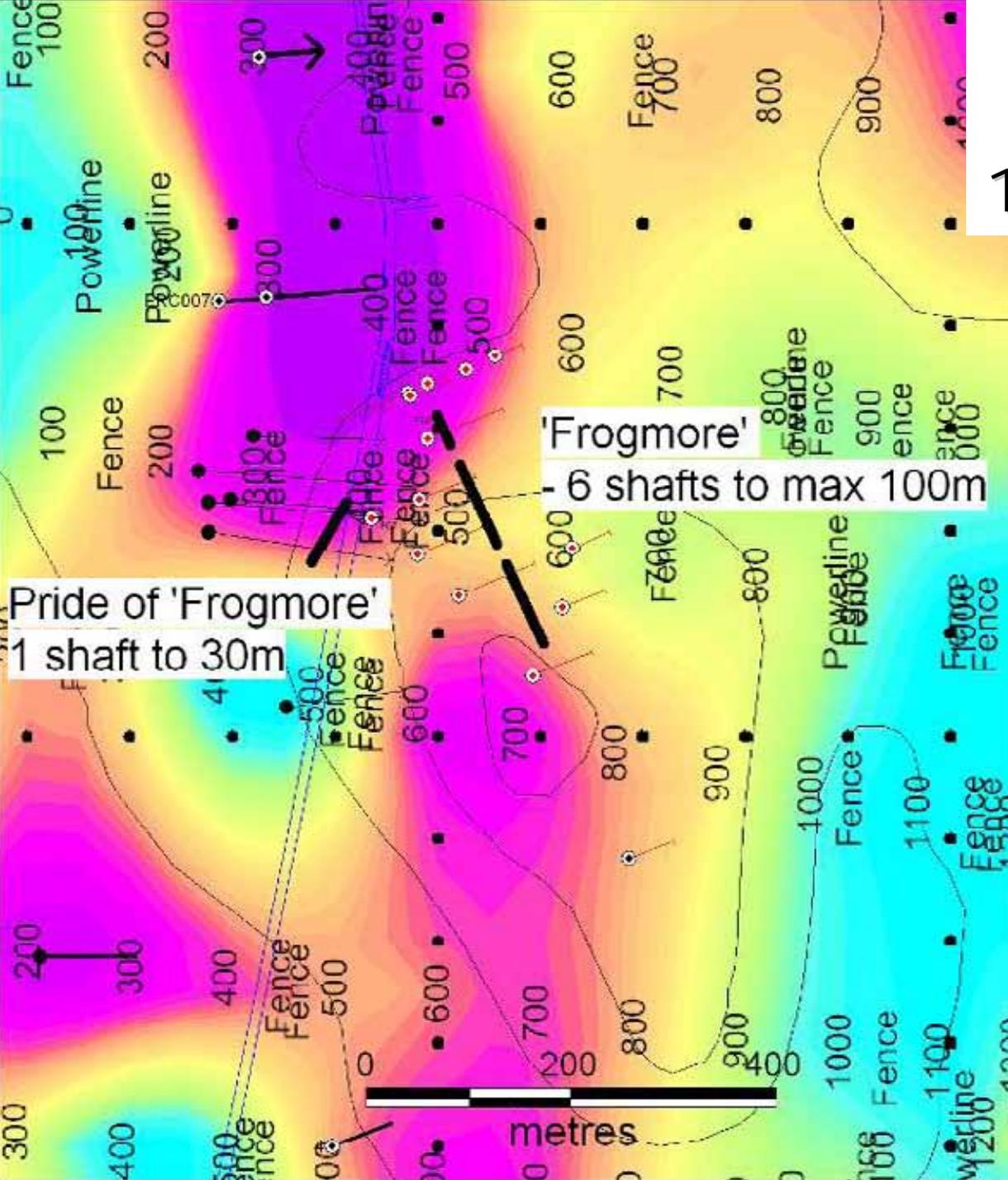
- mineralised trends NNW & NNE
- strong N-S foliation in volcanics

FROGMORE Soils Old & New

Pre-Paradigm drill holes

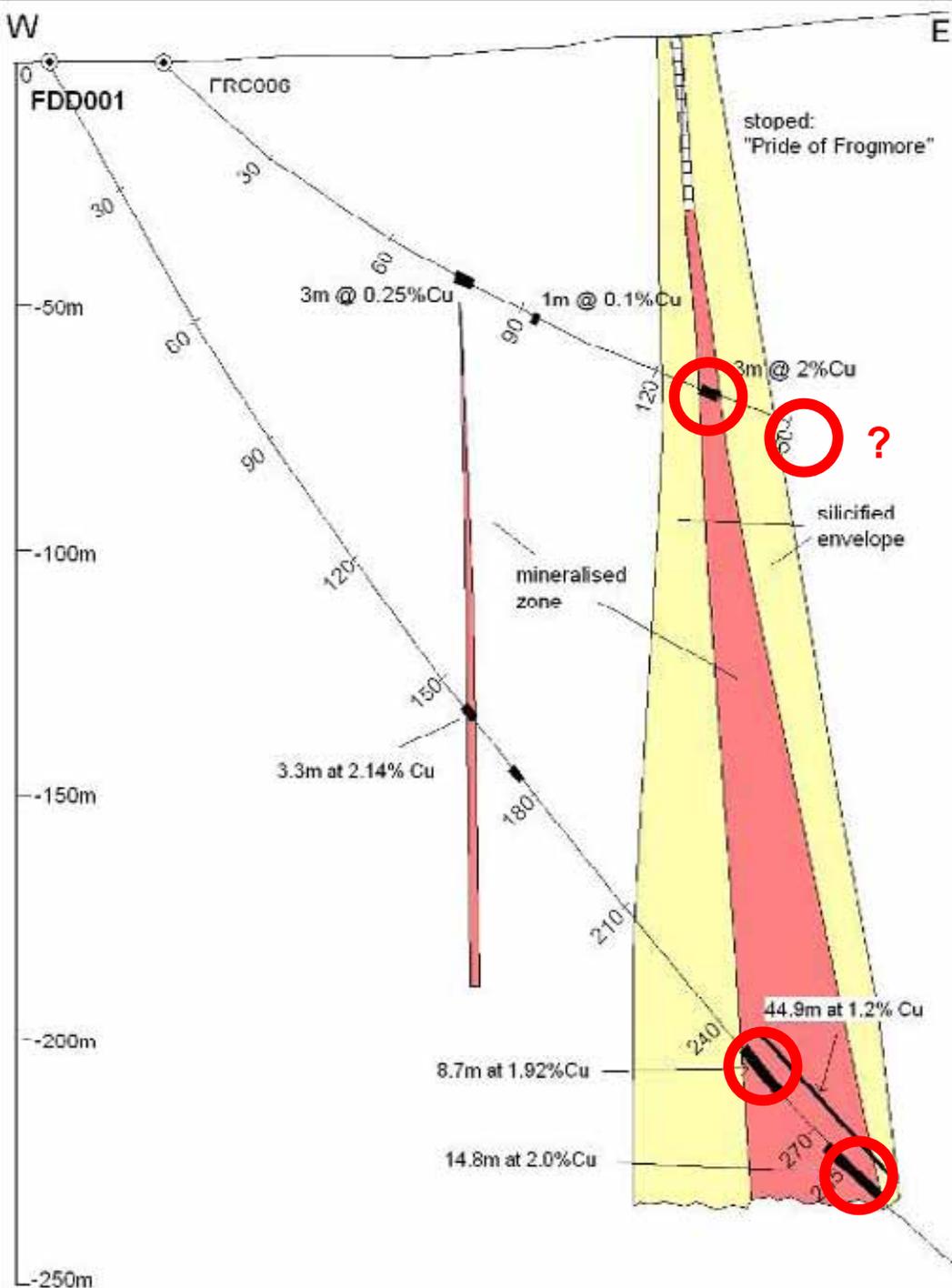


FROGMORE IP GEOPHYSICS 150m depth slice



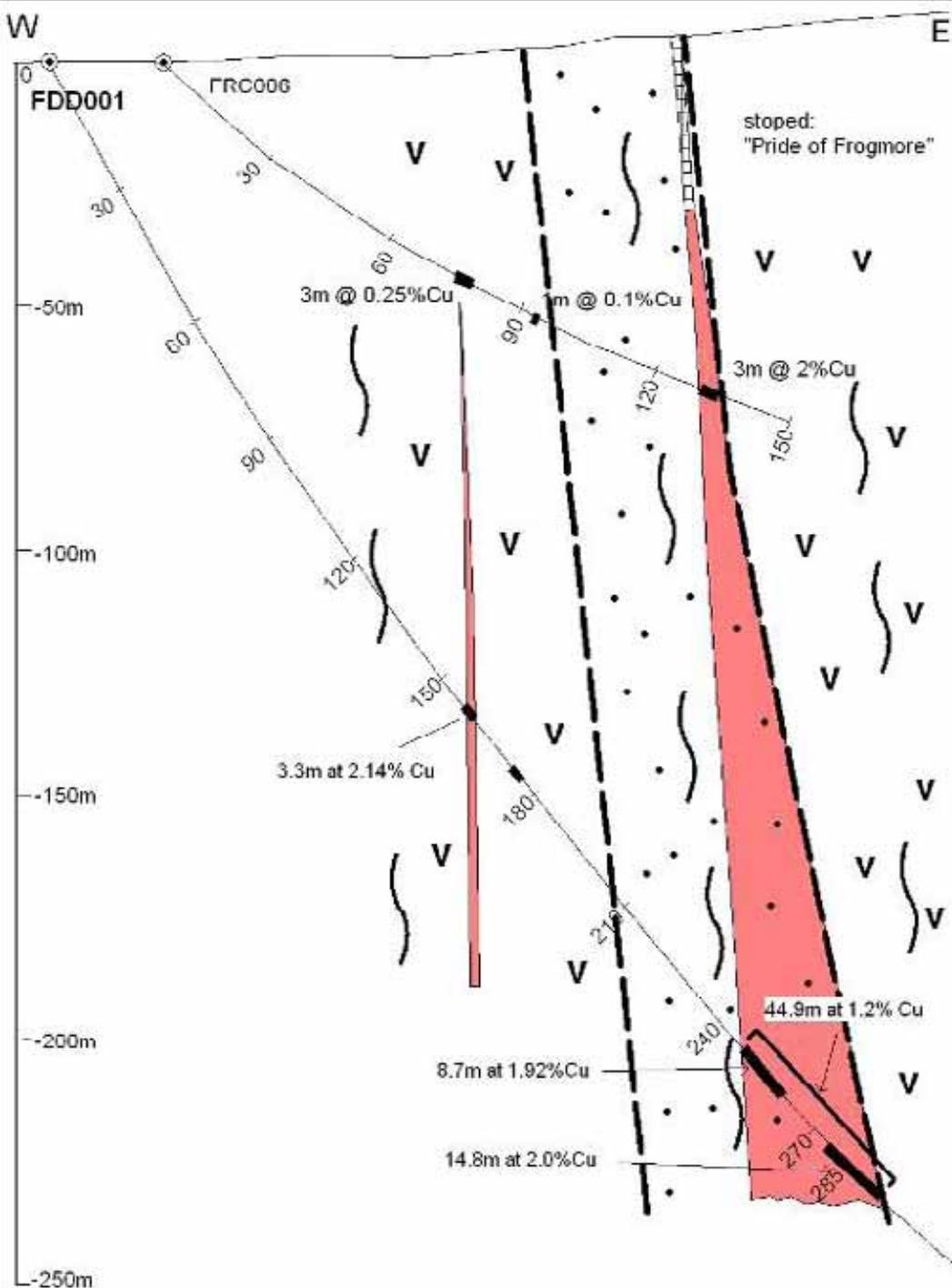
- numerous anomalies
- confirmed Pride of Frogmore trend as high priority
- RC drilling: lots of smoke Cu-Pb-Zn
- Best 3m @ 2% Cu: FRC006 under old Pride of Frogmore

FROGMORE CROSS SECTION FDD001



- 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?

FROGMORE CROSS SECTION FDD001 GEOLOGY

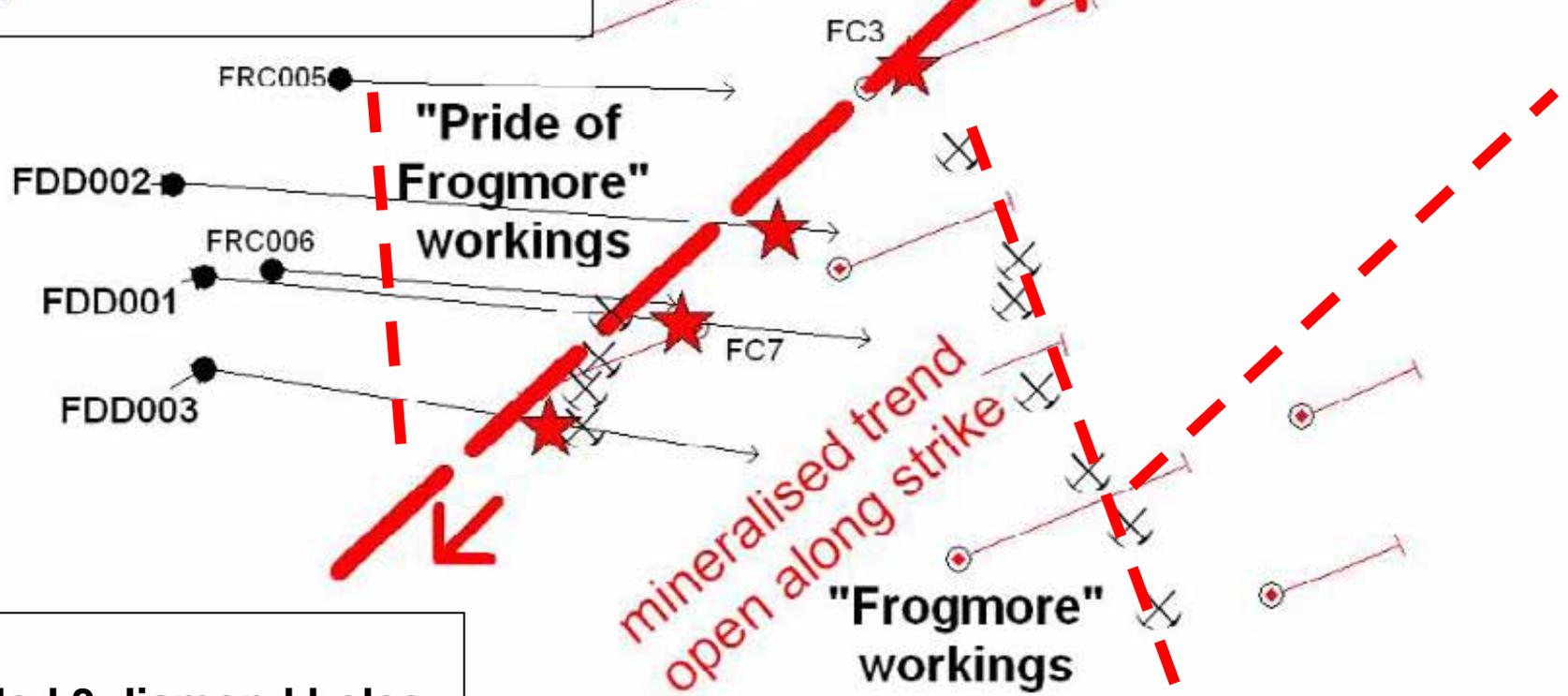


- Hawkins Volcanics (Silurian)
- Strongly sheared, altered
- Volcaniclastics between hanging wall & footwall ignimbrites
- Deformation concentrated in sediments, mineralisation

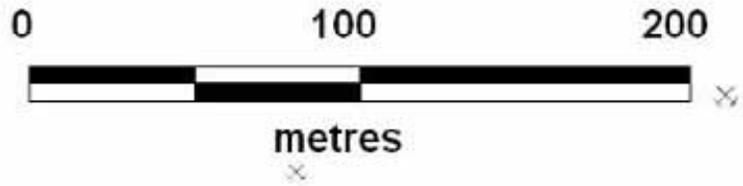
FROGMORE DRILL MAP

Structural interp

- Paradigm drill hole
- Drill hole (not Paradigm)
- ★ Significant copper intercept



- Drilled 3 diamond holes
- Presumed NE strike



FROGMORE CU MINERALISATION FDD001

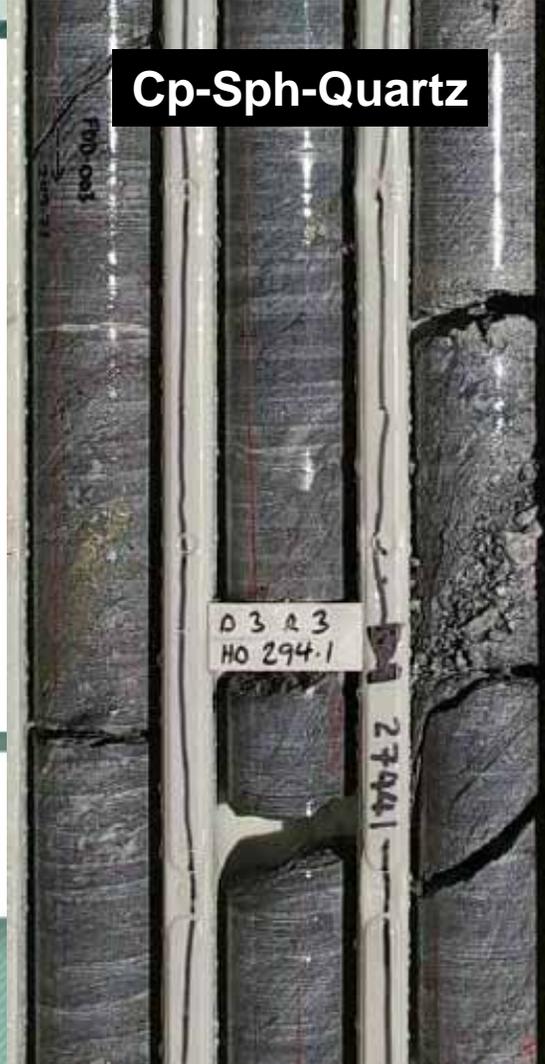


FROGMORE CU MINERALISATION FDD002 & FDD003

Cpy-Po-Chlorite



Cp-Sph-Quartz



- Assays still awaited

FROGMORE

View to southeast
FDD002



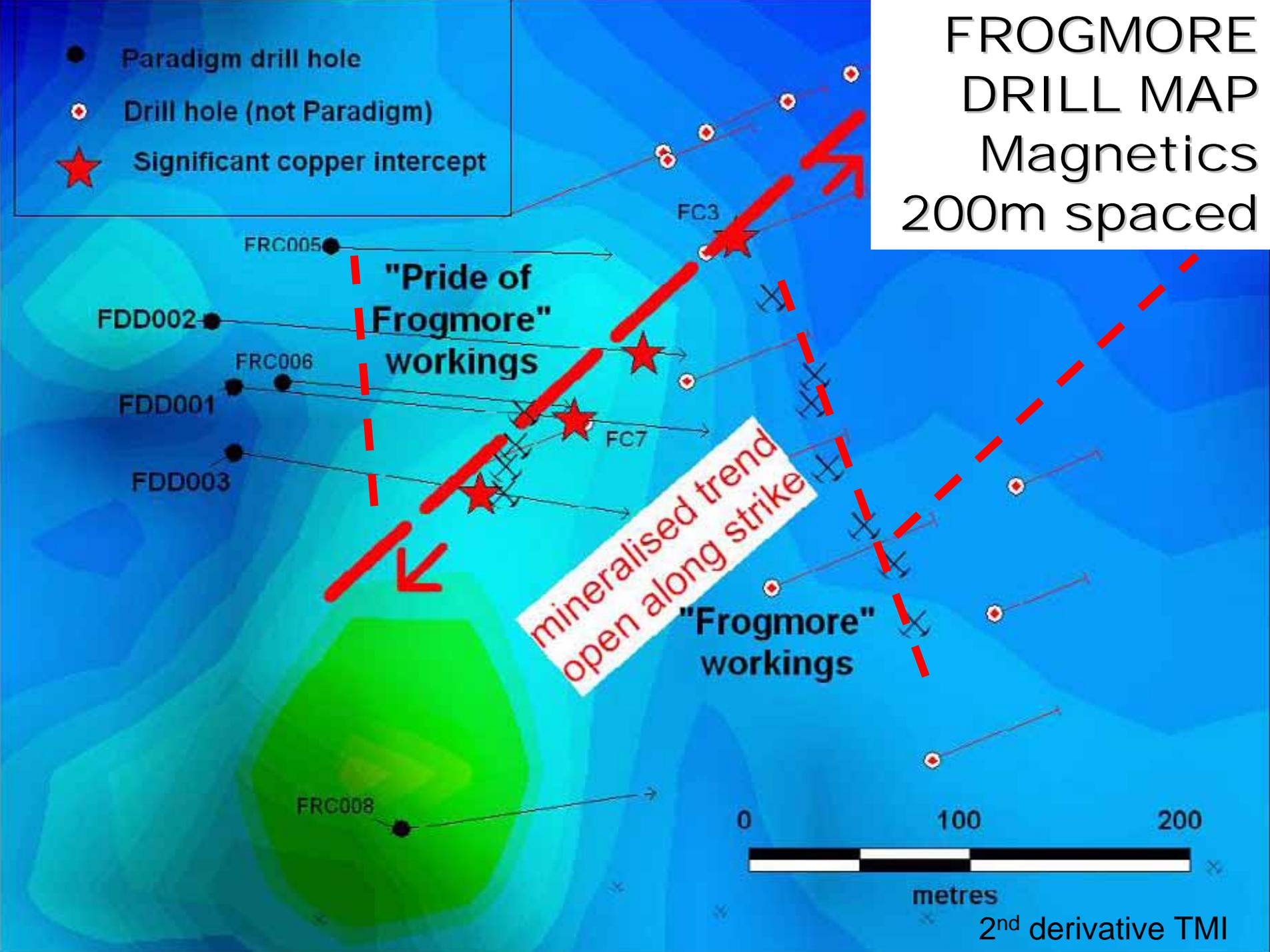
Old 'Pride of Frogmore'

Road

Slag

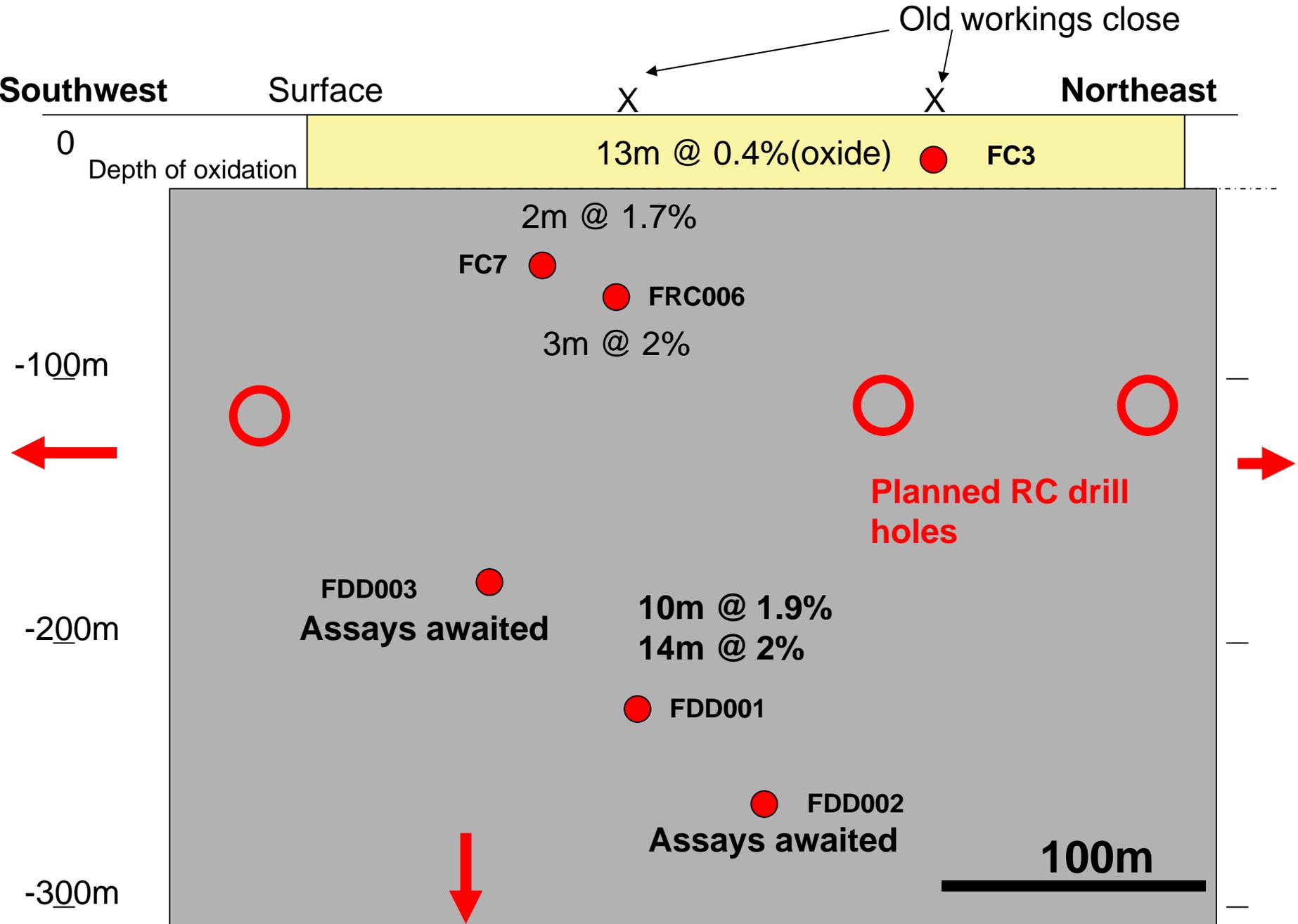
FROGMORE DRILL MAP Magnetics 200m spaced

- Paradigm drill hole
- ◉ Drill hole (not Paradigm)
- ★ Significant copper intercept



2nd derivative TMI

FROGMORE LONG SECTION



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

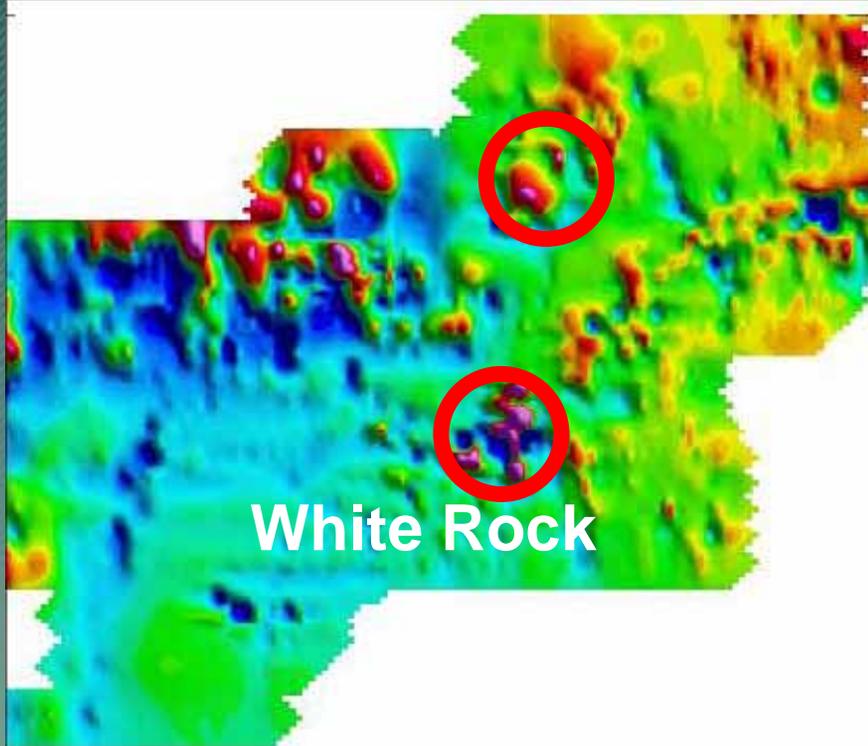
WHITE ROCK TUNGSTEN: Paradigm exploration

2007: Completed work

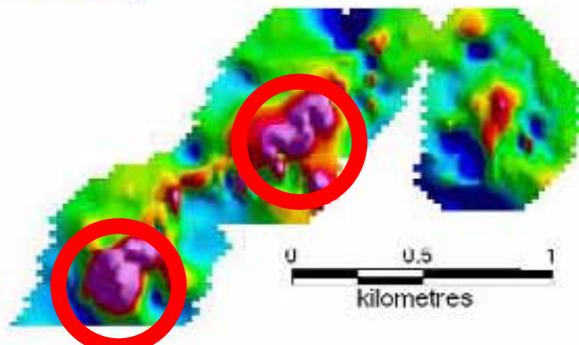
- Detailed ground magnetics, 20 sq km (10,25,50m spaced lines)
- Initial Resource Calculation
- Prospecting, mapping
- Aircore & RC drilling

WHITE ROCK TUNGSTEN

TMI – all ground data



 Identified skarns



WHITE ROCK TUNGSTEN

TMI – all ground data

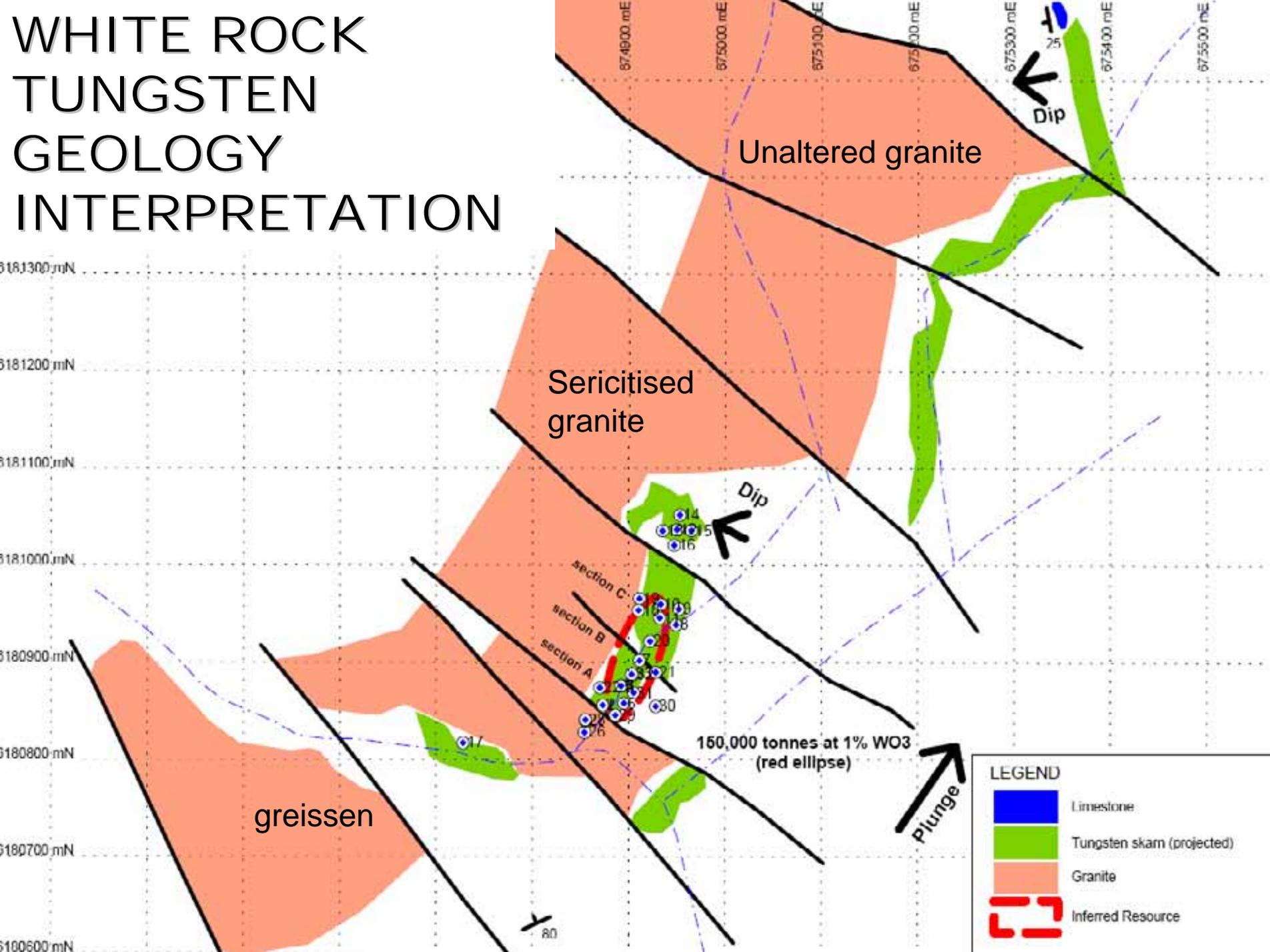
0 100 200
metres

Mineral Resource:
150,000 tonnes @ 0.9% WO₃

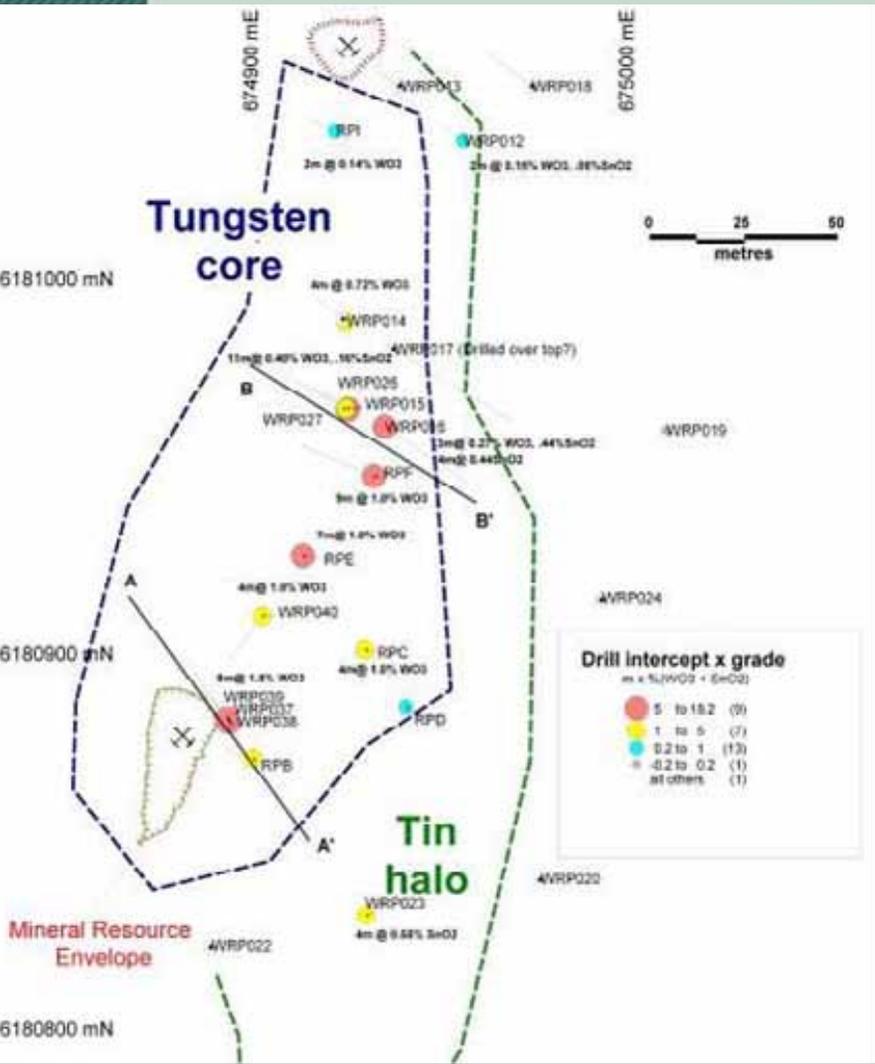
- based on 20 drill holes
- Pre-Paradigm, mostly 1950s

Resource envelope

WHITE ROCK TUNGSTEN GEOLOGY INTERPRETATION



WHITE ROCK TUNGSTEN



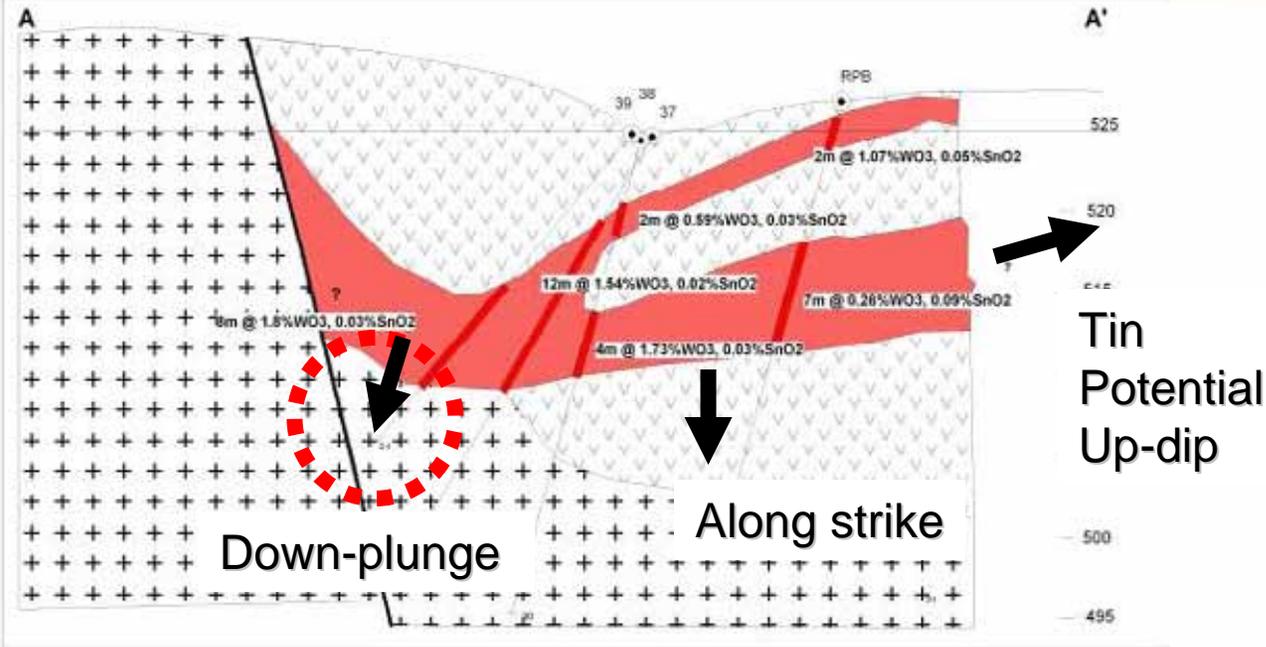
Results of May07 drilling

- 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



WHITE ROCK TUNGSTEN

High-grade ore stock piled

- METALLURGICAL TESTWORK
- preliminary tests underway
- gravity/mag sep
- magnetite suitable for coal industry
- thousands of tonnes ore 'at grass'
- save on metallurgical costs

WHITE ROCK TUNGSTEN

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**

WHITE ROCK TUNGSTEN

Indicative Economics

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



WHITE ROCK: Planned programmes

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**

UPCOMING NSW EXPLORATION 2007

COPPER

- **Frogmore RC drilling Sep07, planned 2nd diamond round Nov07**
- **Acquire detailed magnetics ASAP**

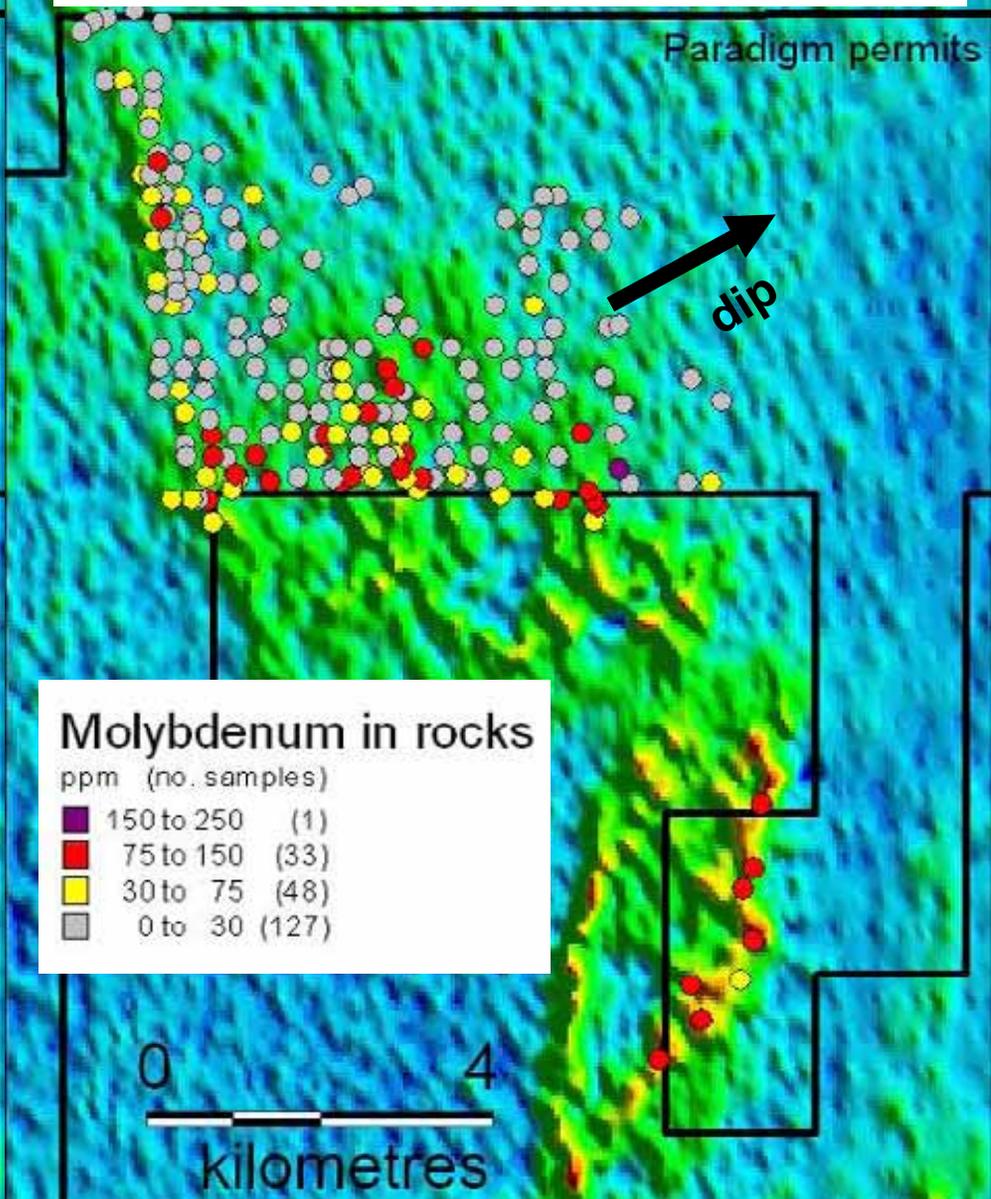
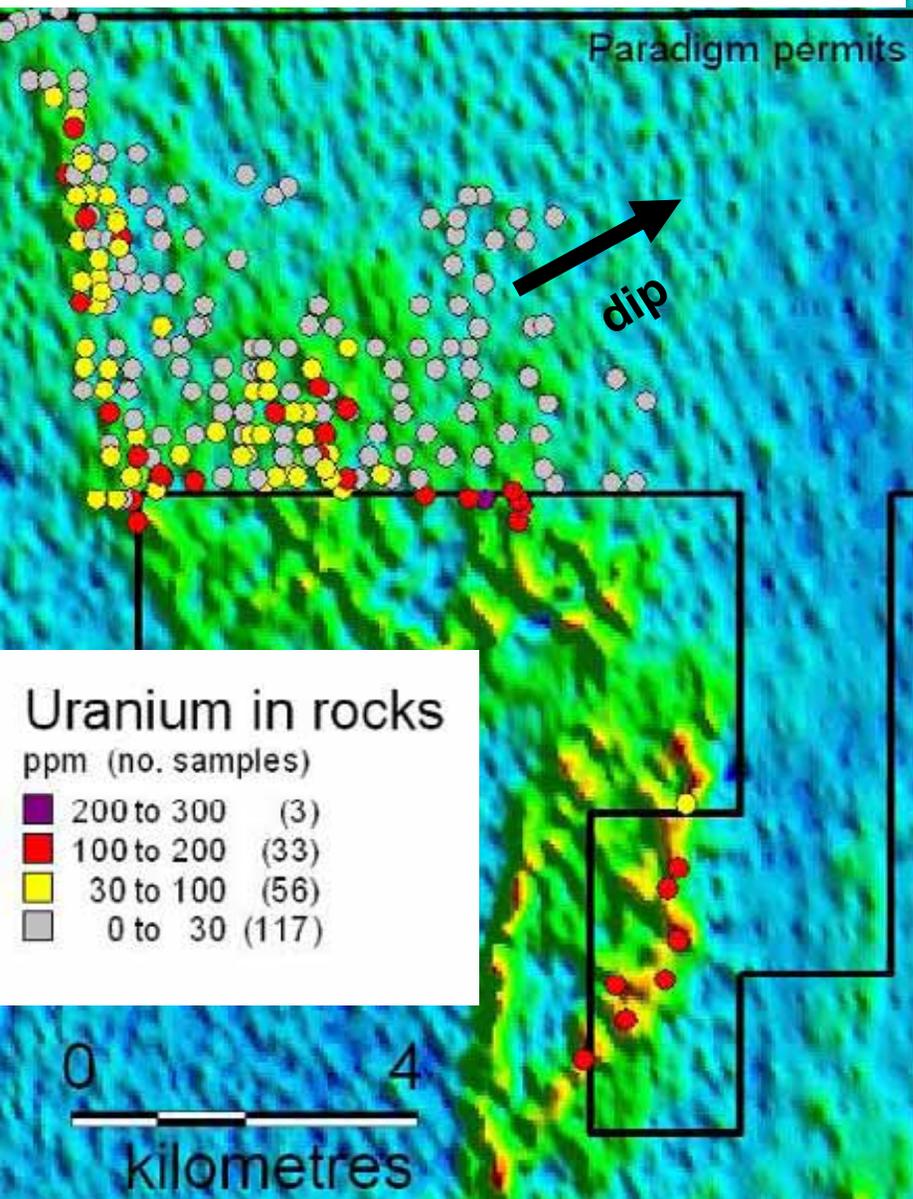
TUNGSTEN

- **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





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