

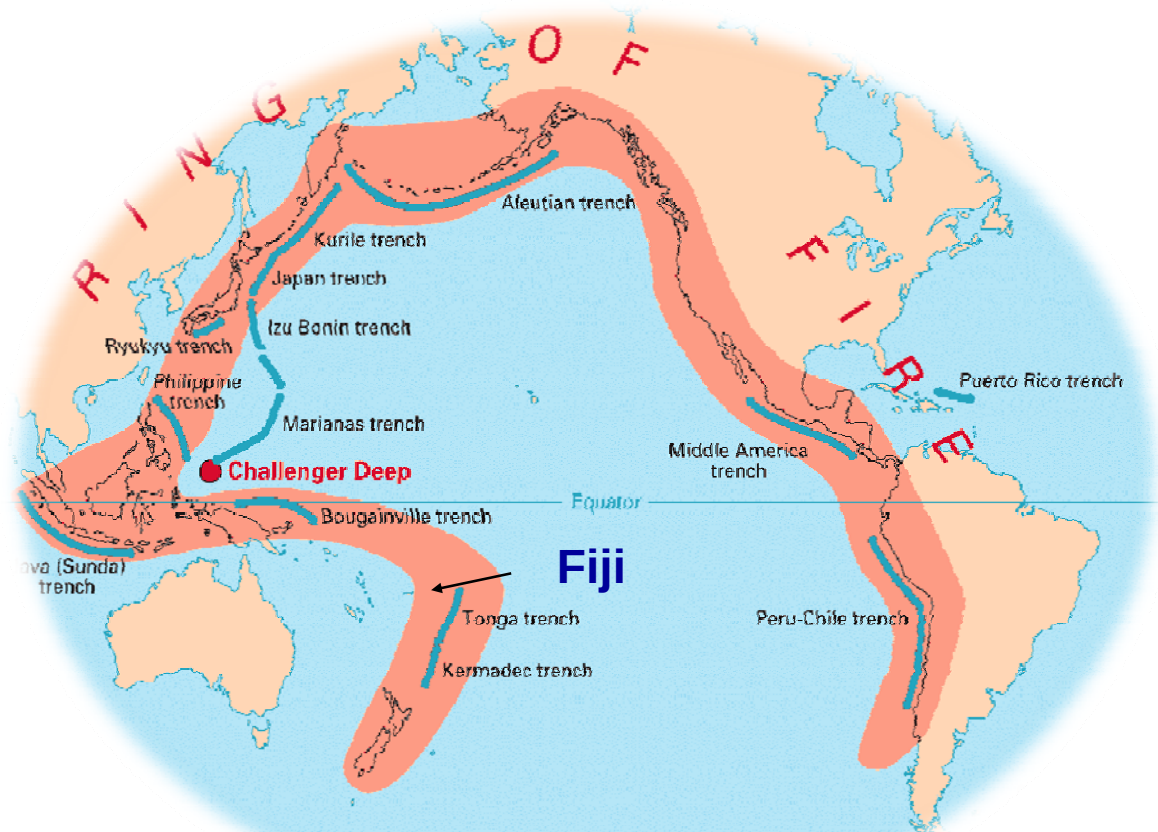
Geopacific Resources NL

ASX code: GPR

Exploring for “Elephant” size copper/gold deposits in Fiji

April 2011

Tim Biggs
and
Ian Pringle



Source: US Geological Survey

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All amounts in A\$ unless stated otherwise.

Capital Structure of Geopacific - GPR

- Shares Outstanding 36 578 790
- Fully Diluted 43 820 896
- Market Cap \$10.9mln
- Cash Position \$2.25mln
- Management/Insiders 50%+



Board / Management

Chairman	Tim Biggs
Managing Director	Dr Ian Pringle
Directors	Ian Simpson Charlie Bass Dr Russell Fountain

Geopacific Resources - Vision

“to build a profitable mining company from the ground up by developing the current assets and strategic acquisition”

“hunting an elephant”

Board with proven record

Charlie Bass has founded and grown two ASX listed mining businesses.

- Eagle Mining – WA Goldfields, Nimary Deposit, cash takeover \$300m (1997)
- Aquilla Resources – Founded 2000 (\$5m IPO), bulks (iron ore/coal), mult-billion dollar current market cap

Tim Biggs - history of successful equity investments.

- Formerly with Credit Suisse in equity linked origination/sales/ECM. Co-founded BB Capital - specialist resource fund. Currently Laguna Bay Capital – focus on real assets/precious metals, activist investor.

Dr Pringle/Dr Fountain - Proven technical track record.

- Prior technical success through finding or developing: Waihi Gold Mine (NZ), Girilambone Copper Mine, Granny Smith Gold Mine, Osborne Copper/Gold Mine, Bowdens Silver Deposit (Australia), Lerokis Gold/Silver Mine (Indonesia), Skouriotissa Copper Mine (Cyprus), Sepon Copper/Gold Mine (Laos).

Why Geopacific?

- Portfolio of quality gold and copper projects with ample signals of mineralisation
- Long operating experience in Fiji, good standing with mines department
- Historically under-resourced & under-funded
- Clean, cheap capital structure
- Tightly held shareholder base
- Opportunity to get a reasonable size equity position
- Experienced and proven exploration team

.....**Why an elephant?**

What is an elephant deposit?

- Porphyry copper-gold (PCD) and associated epithermal deposits contain about 65% of the world's copper and are a major host to gold, silver and molybdenum
- PCD's are large (often 100's of millions to billions of tons)
- PCD's have mine lives of decades and high production rates
- PCD's cluster near plate boundaries such as the Pacific "rim of fire"
- In Fiji Namosi (+900mt) and Vatukoula (+6.9m oz Au) are baby elephant deposits
- The KCGM Super Pit at Kalgoorlie is a +70m oz Au elephant deposit (65% mined)
- The Wafi Au/Cu deposit (Harmony-Newcrest JV) in PNG contains less than half the metal value of the KCGM Super pit **BUT** the new discovery of PCD in deep drillhole (>1km) could 'grow' Wafi into an elephant deposit

.....**Why Fiji?**

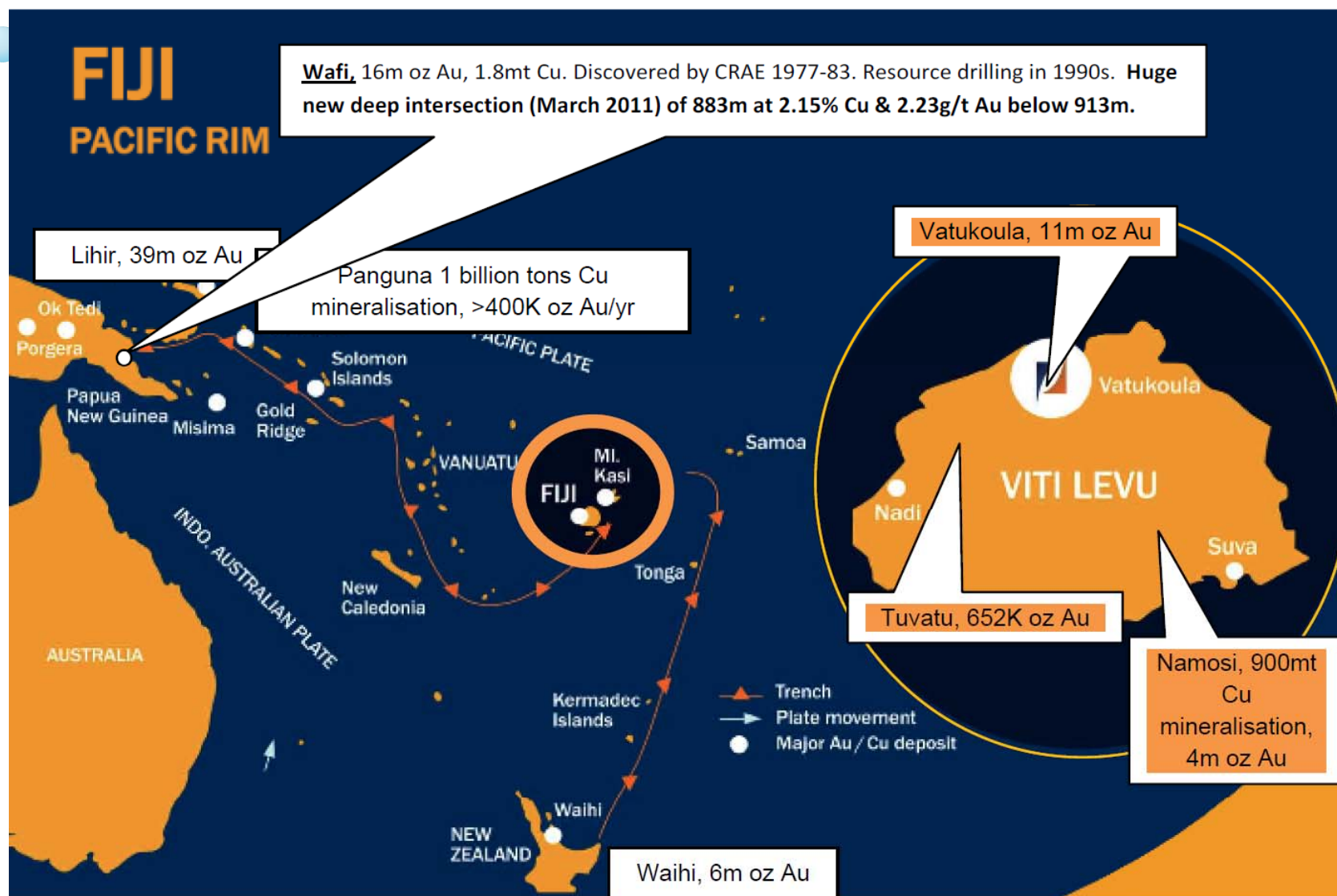
Why Fiji?

The potential for an Elephant

- Fiji is located along a volatile zone of frequent volcanic and seismic activity at the edge of the Pacific. This 'ring of fire' is the location of many of the world's largest precious metal deposits.
- Limited modern exploration for the last 10-15 years because of politics, perception and poor image for investment.
- Vatukoula Gold Mine, has produced 6.9m oz Au at 7.4g/t. Discovered in 1872, mining commenced in 1933 still operating!!
- Newcrest have accelerated work on the Namosi porphyry Cu-Au deposit. Reported results incl. 570m @ 0.55% Cu, with high grade zone of 76m @ 2.24% Cu & 0.36g/t Au. Pre-Newcrest, the deposit approached 1 billion tons.
- The Pacific Ring of Fire hosts Grasberg, Porgera, Lihir, OK Tedi, Wafi and Waihi. Current GPR projects have potential for targets of these types but exploration has only scratched surface
- New 'state-of-the-art' geophysics (ZTEM) can define deep/untested elephant targets at depths of over 1 kilometre

.....**Many elephant signals**

Fiji is Elephant country



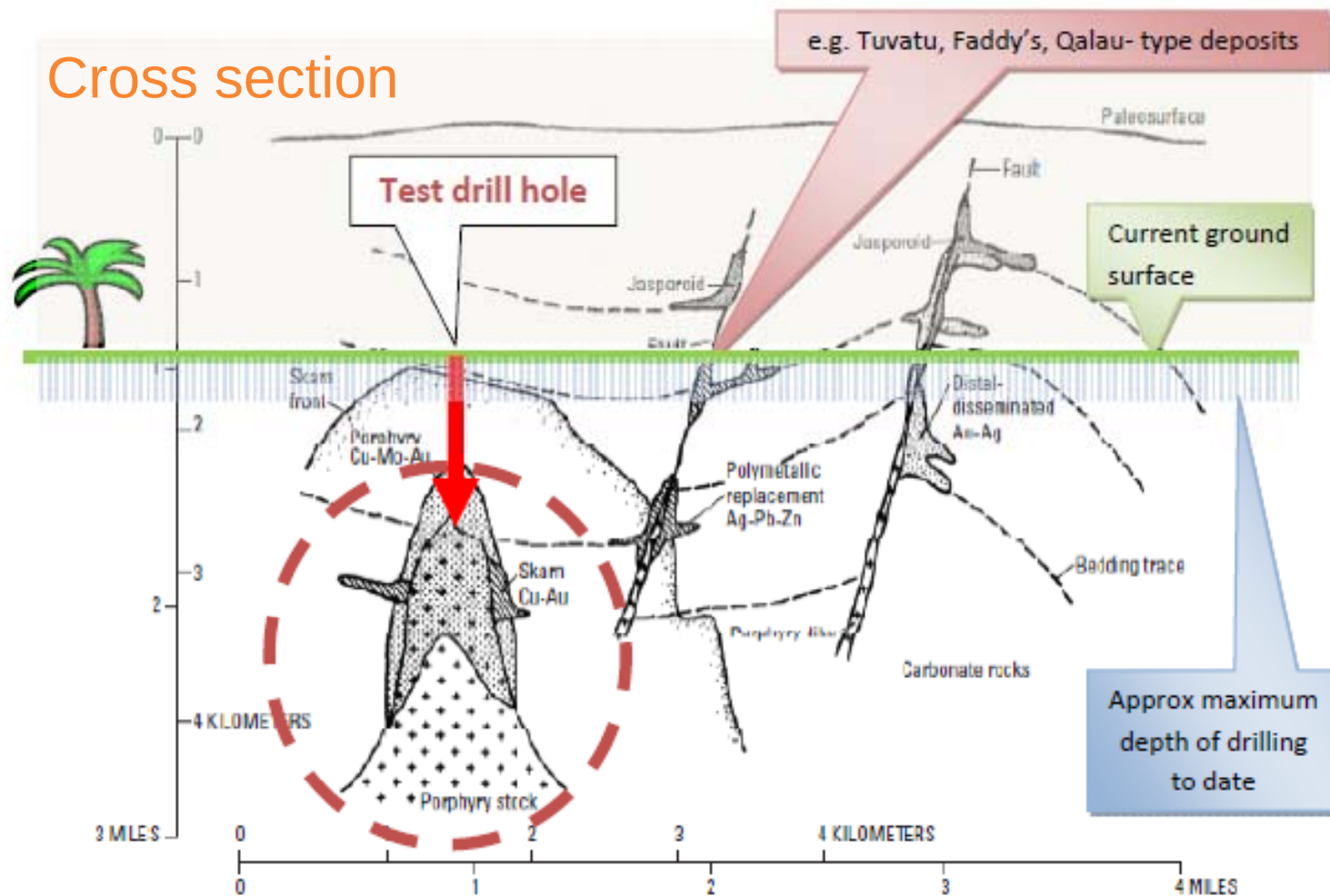
Geopacific – What are the Elephant Signals we need ?

Requirement/Signals

1. Elephants or not? ... Namosi, Vatukoula ✓
2. Location ... ' Rim of Fire' ✓
3. Geological structure for concentration of fluids ✓
4. Ability to economically mine ✓
5. Infrastructure and political will ✓
6. People and Capital ✓
7. Metal price encouragement ... ✓

Target – world class porphyry Cu-Au model

Cross section



General setting of porphyry copper and associated deposit types (modified from Sillitoe and Bonham, 1990 and John et al, 2010).

Geopacific – Exploration for Elephants

Tools available;

1. Surface Exploration Techniques

- Geochemistry, Mapping, Sampling, Trenching etc
- Local experienced team and base in Nadi

2. Gravity, Magnetics, Radiometrics

- Regional surveys

3. State of the art deep-looking geophysics IP / VTEM / ZTEM

- Application of new exploration technologies
- Deep-looking for new finds – world class ‘elephant deposits’ (VTEM looks to 200m/ZTEM looks to 1-2 km deep)
- Best interpretation possible – Direct link to geophysics R&D, front end of research and interpretation (Bill Peters/SGC Consultants)

4. Drilling

- Top of range operator, purpose built equipment
- Low drill rates (<\$150/m core), helpful \$\$ exchange rates



Project Overview - lots of signals

West Coast Viti Levu

1. **Nabila** – up to 313g/t Au (10 oz/t Au) in 1m channel samples, up to 138.3g/t gold (4.46 oz/t Au) in drill core. Large alteration system plus 2km long.
2. **Nadi South** (Togo, & Red Hills) - 35m at 6.60g/t Au and 50m at 3.28g/t Au in surface chip samples. Large untested surface gold anomaly indicates disseminated mineralisation at Tokara Prospect.
3. **Vuda/Sabeto** - large, deeper porphyry Cu-Au target below alteration zone (4.5km x 2km). Abundant pannable gold in alteration.

North & Central Viti Levu

1. **Raki Raki** (50/50 JV) - Au in a caldera setting analogous to Vatukoula. Drill core assays range to 23g/t Au over 2.8m. at Qalau.
2. **Nuku** – untested Au-Zn-Cu skarn deposits surround and overlie a porphyry alteration system.



Resistivity and Conductivity – ZTEM/VTEM

Resistivity;

- ZTEM maps resistivity contrasts which can define mineralised alteration targets to depths of about 1.5km
- Specifically seeks alteration (silicification, sulphides) caused by mineralisation events (eg a porphyry Cu-Au system)

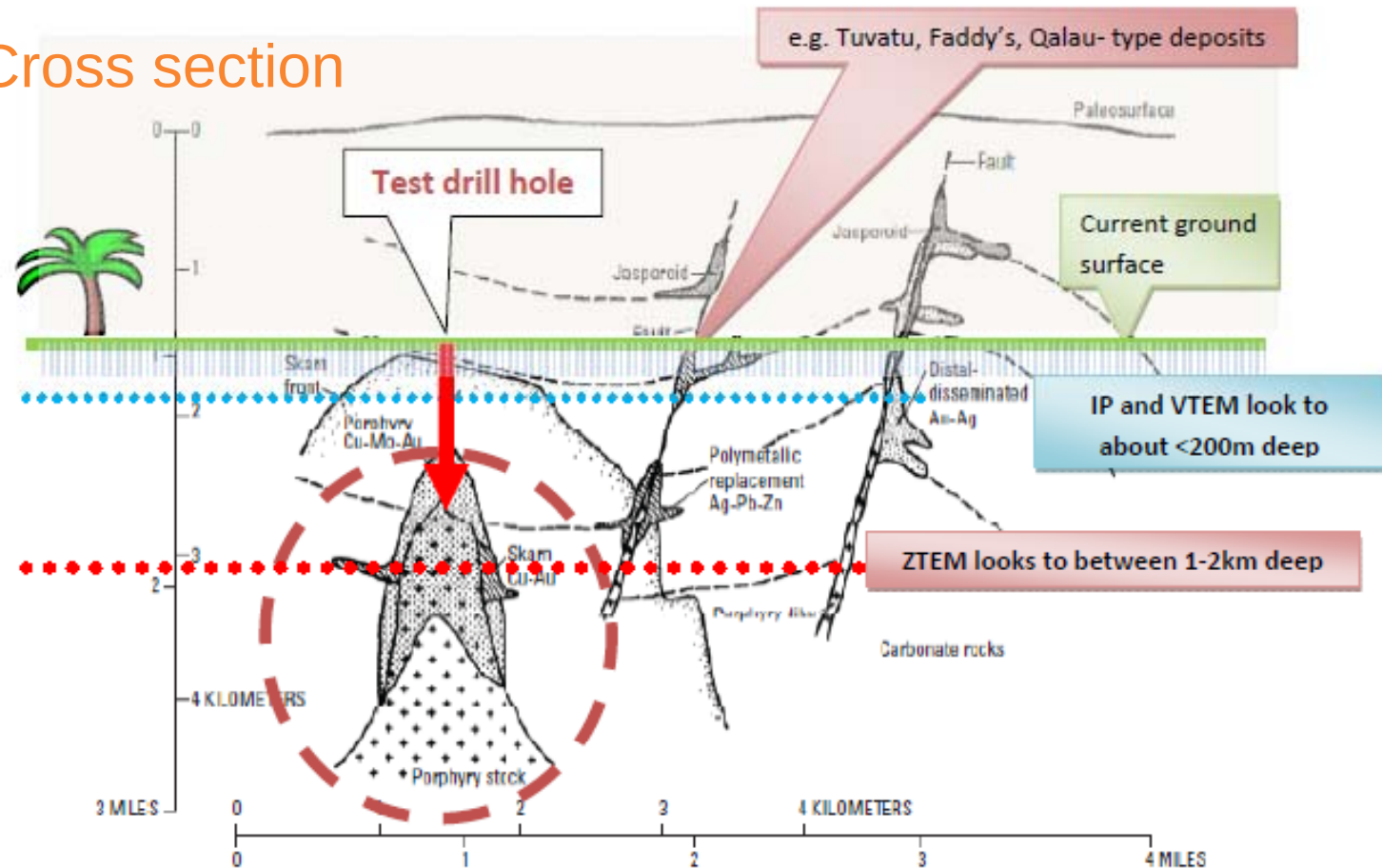
Conductivity;

- VTEM maps subsurface conductive zones to depths of about 200m. High levels of sulphides have high conductivity/lower resistivity
- Typically, skarn, carbonate base metal deposits and massive or semi-massive sulphide veins are better conductors

Target – world class porphyry Cu-Au model

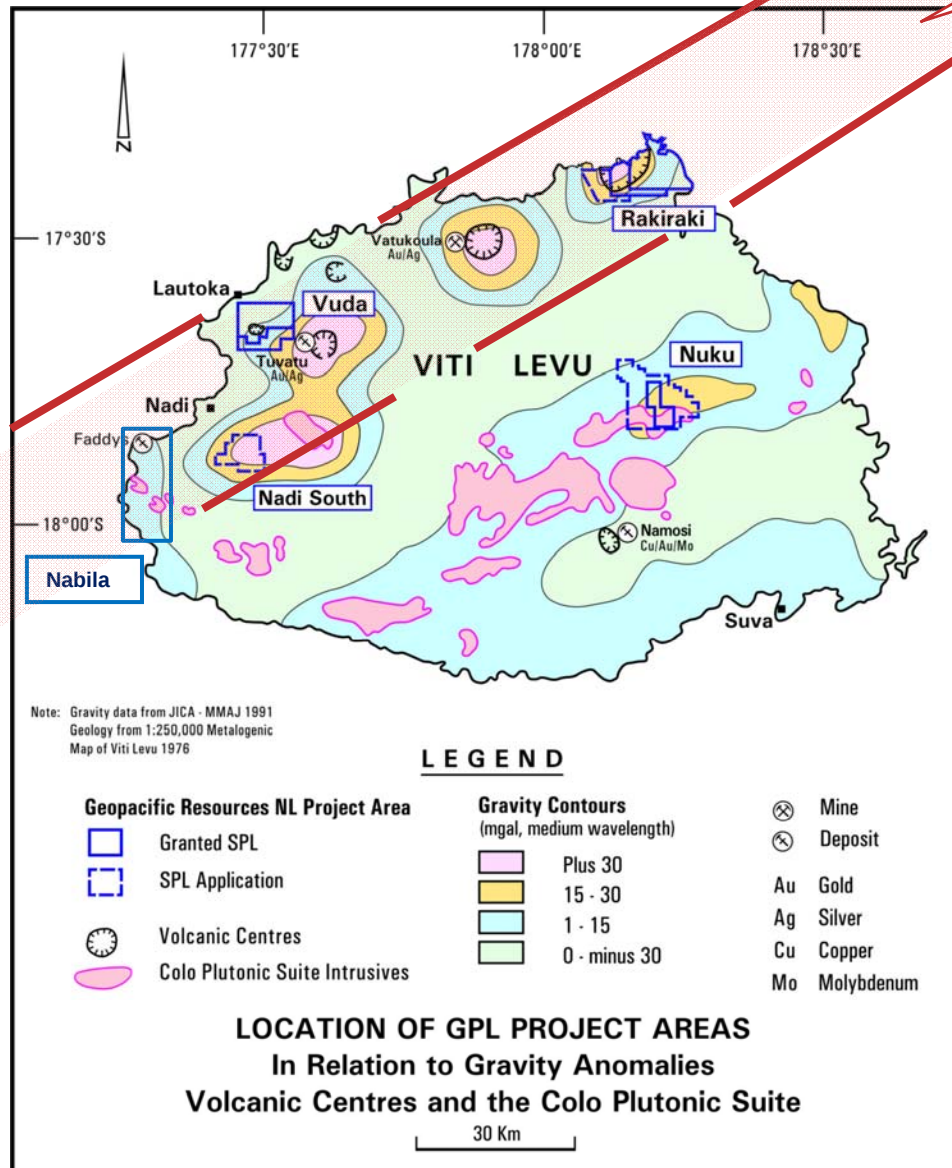
ZTEM looks for large, deep targets

Cross section



General setting of porphyry copper and associated deposit types (modified from Sillitoe and Bonham, 1990 and John et al, 2010).

Project Locations

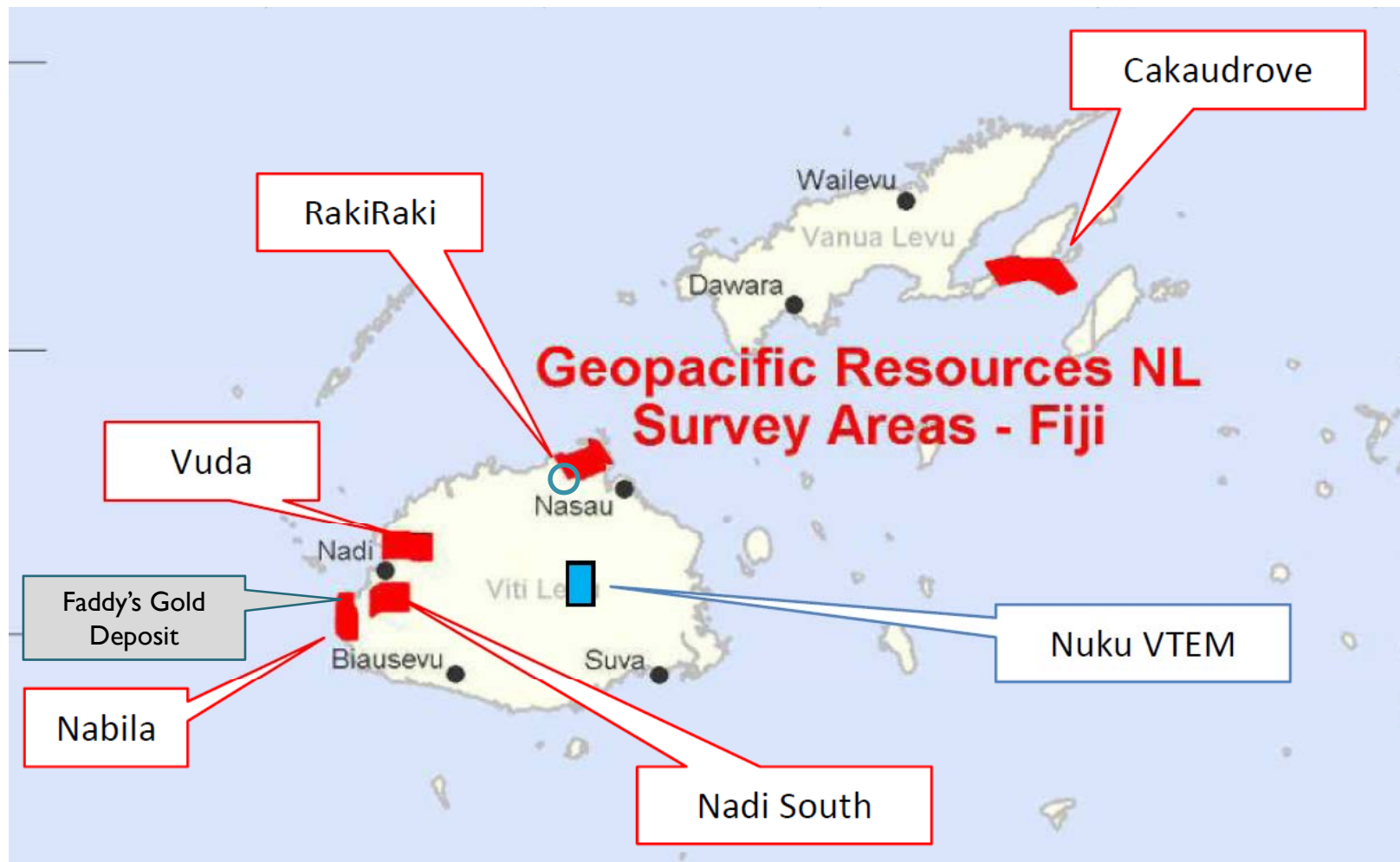


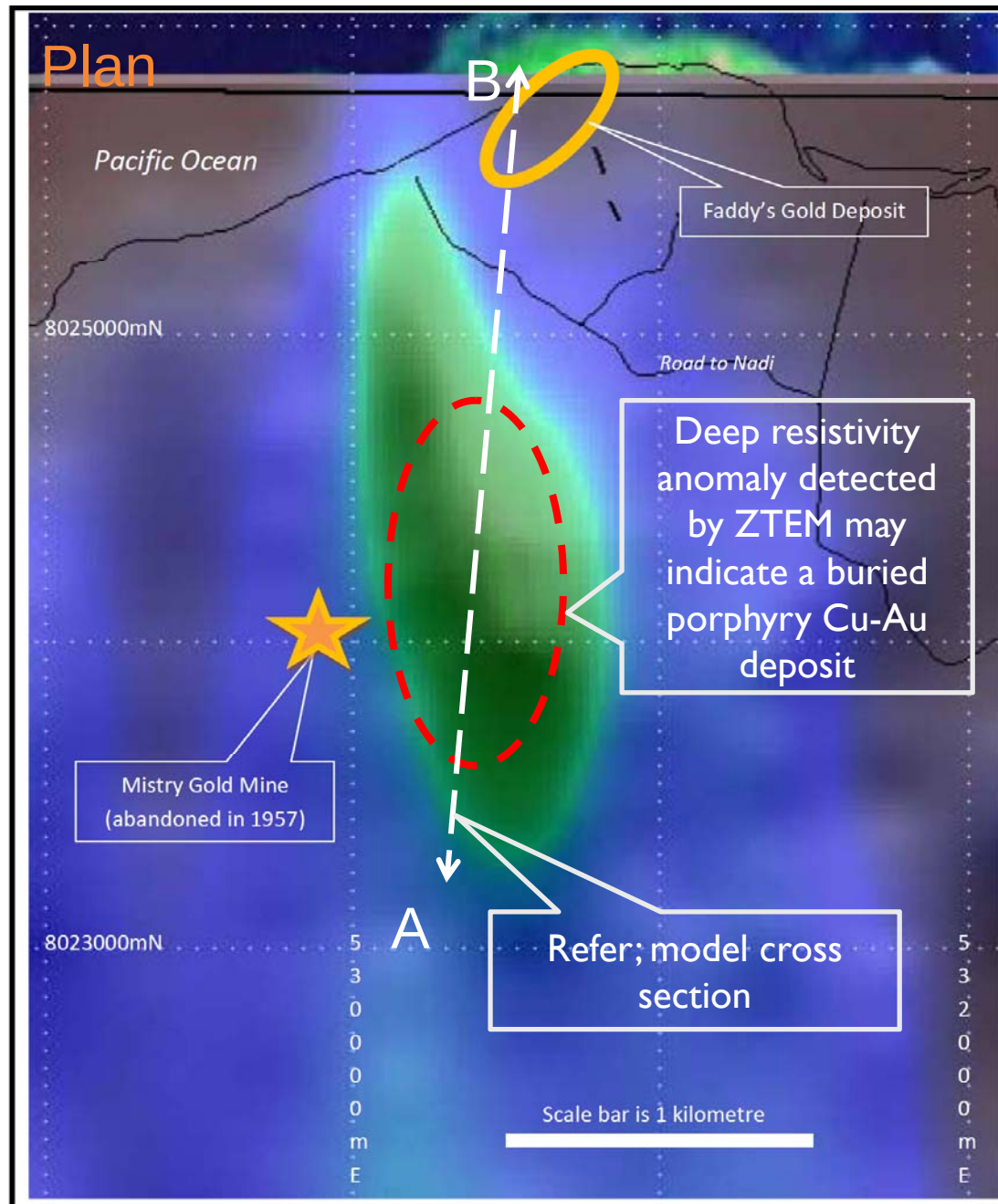
“corridor” of
epithermal
deposits

- Gravity highs are collapsed/eroded calderas
- epithermal Au deposits in NE trending corridor
- Namosi PCD outcrops in relatively deeply eroded southern Fiji
- Geopacific has excellent ground holding

266km² granted
511km² in application

ZTEM & VTEM Survey areas

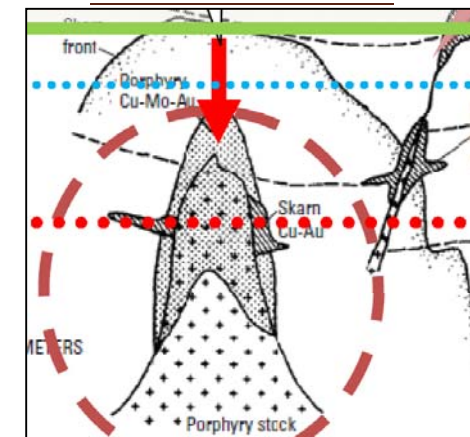




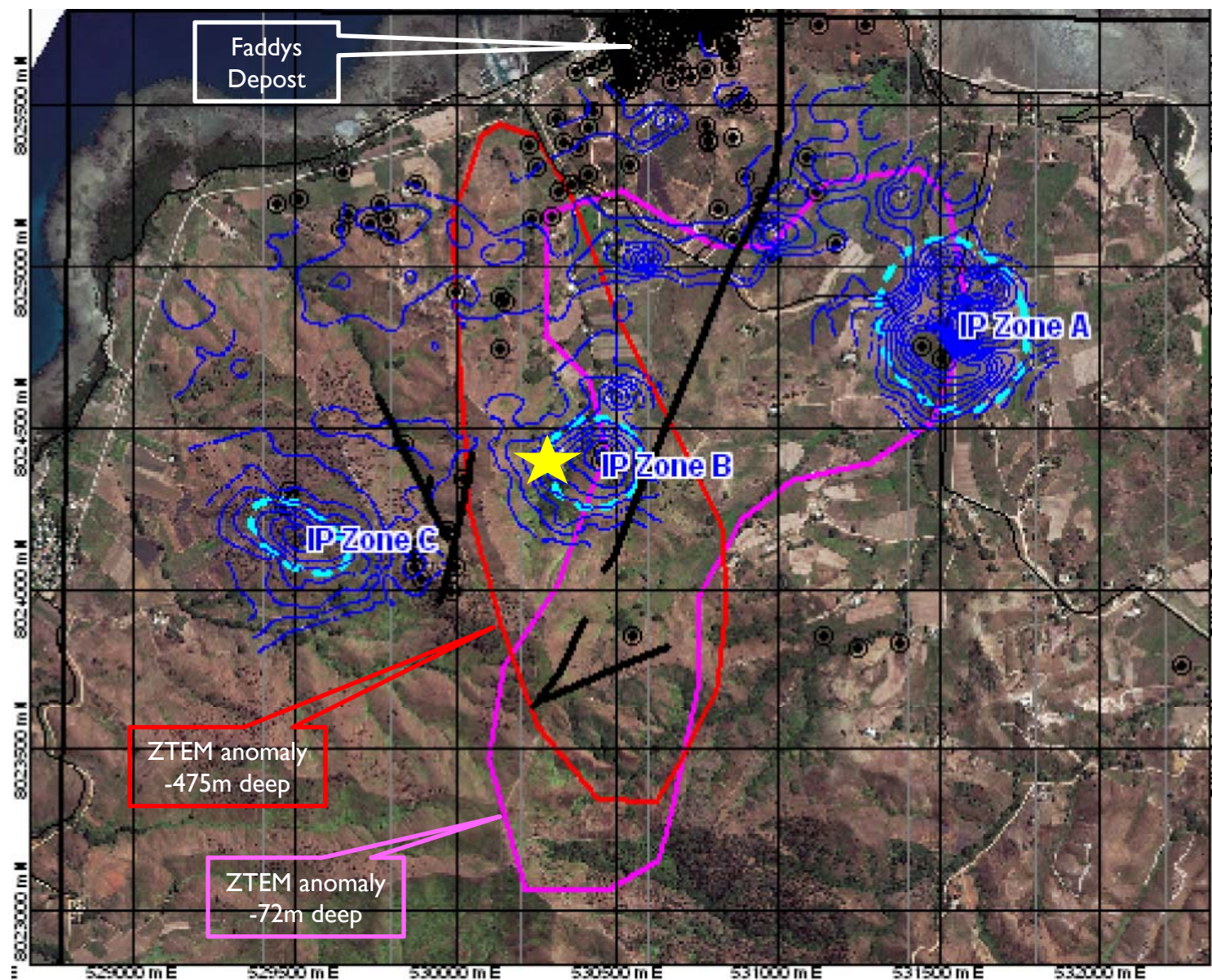
**ZTEM inversion
showing a depth map
at -475 metres deep**

A resistivity anomaly oriented north-south is located between the Faddy's Gold Deposit (near surface Au, Pb, Zn and Ag) with mineralisation over more than 500m along trend. The Mistry deposit has anomalous Au, Pb, Zn and Ag at surface and in narrow steep dipping structures.

A Model cross section B



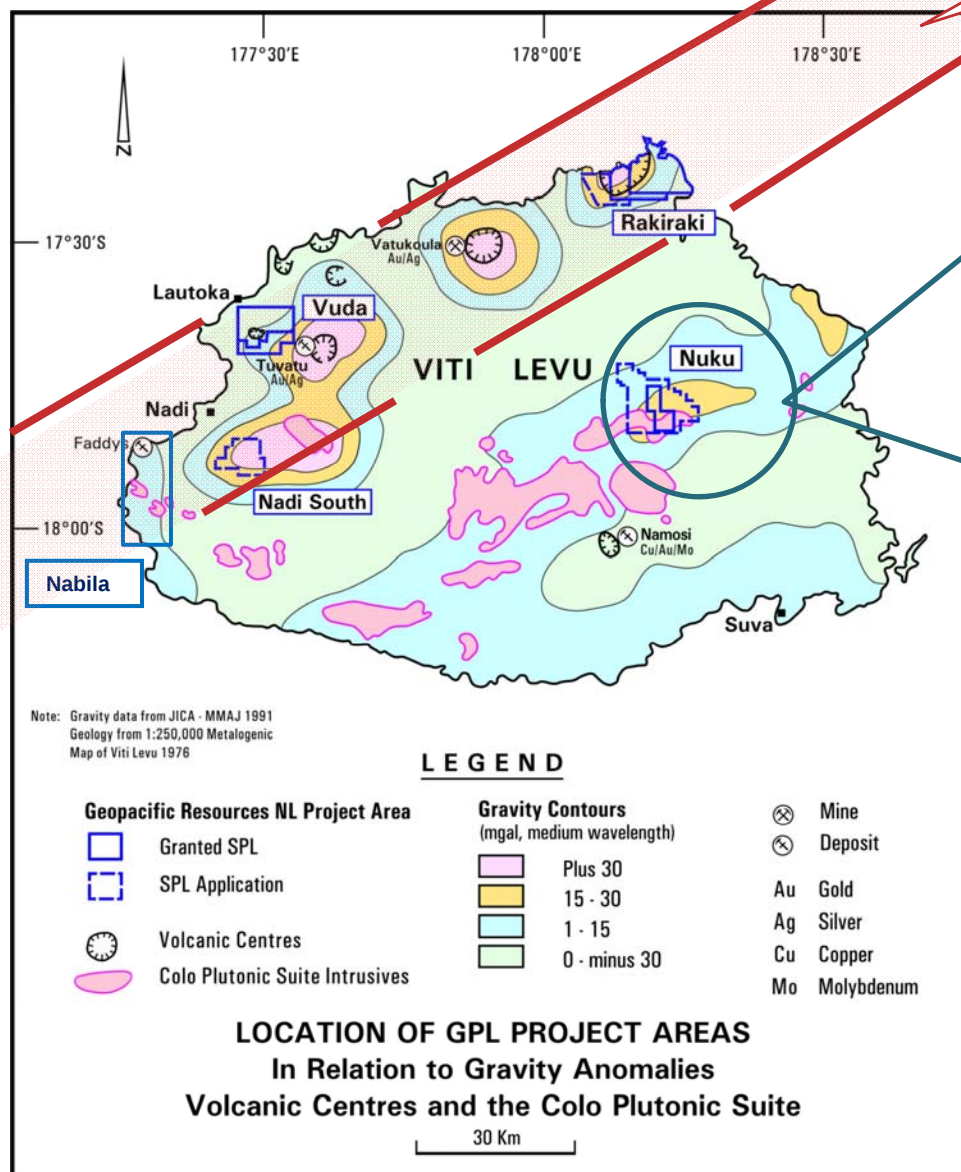
Faddys – Mistry area IP anomalies



Nuku Project Location



“corridor” of
epithermal
deposits



Nuku

- 30km north of Namosi
- Intrusive and sediments typical of skarn and high-level portions of PCDs
- Mineralised iron skarns identified with gold, copper, silver and zinc
- Magnetic anomalies known
- Under explored

Nuku – VTEM anomalies and ground follow-up success

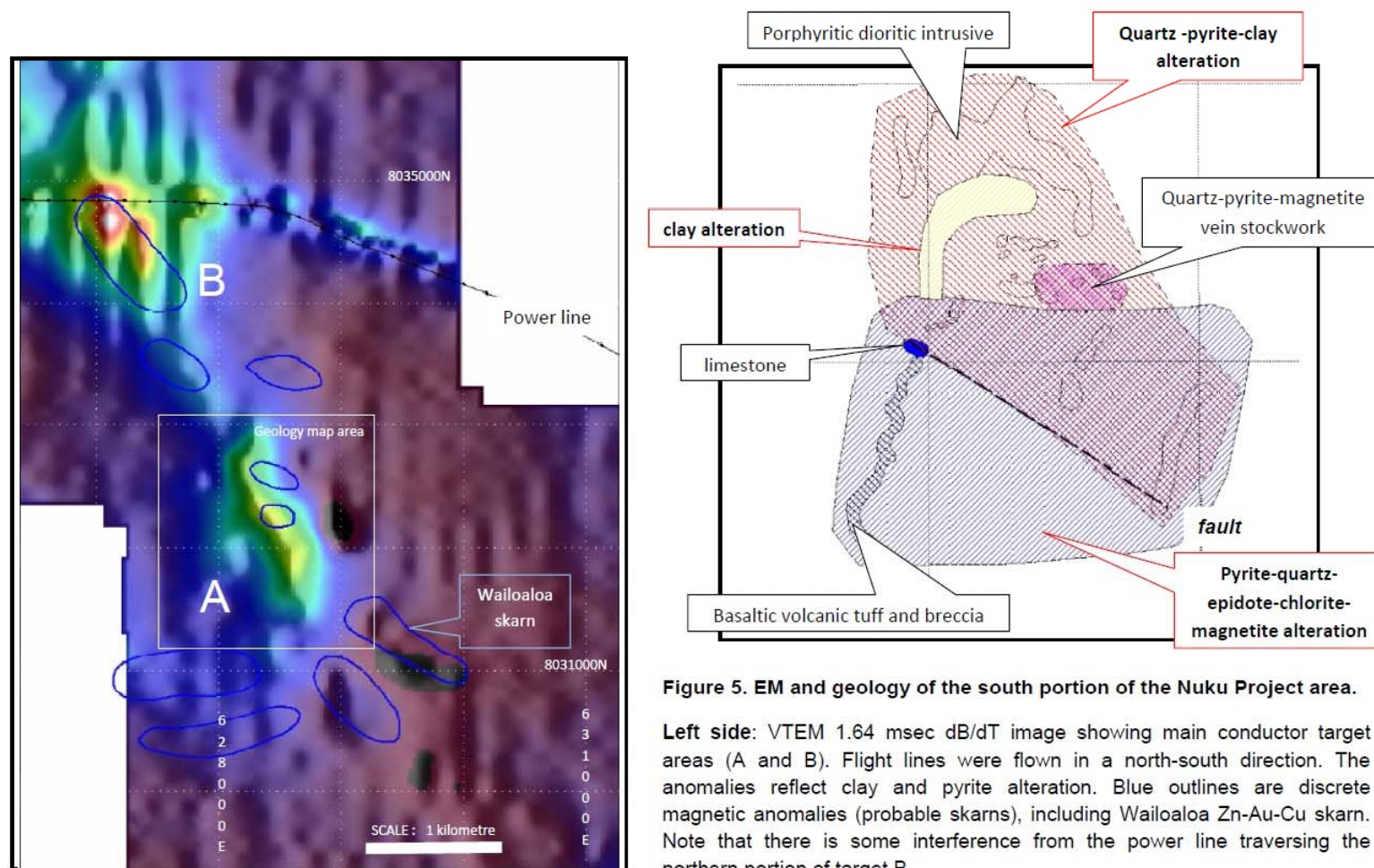
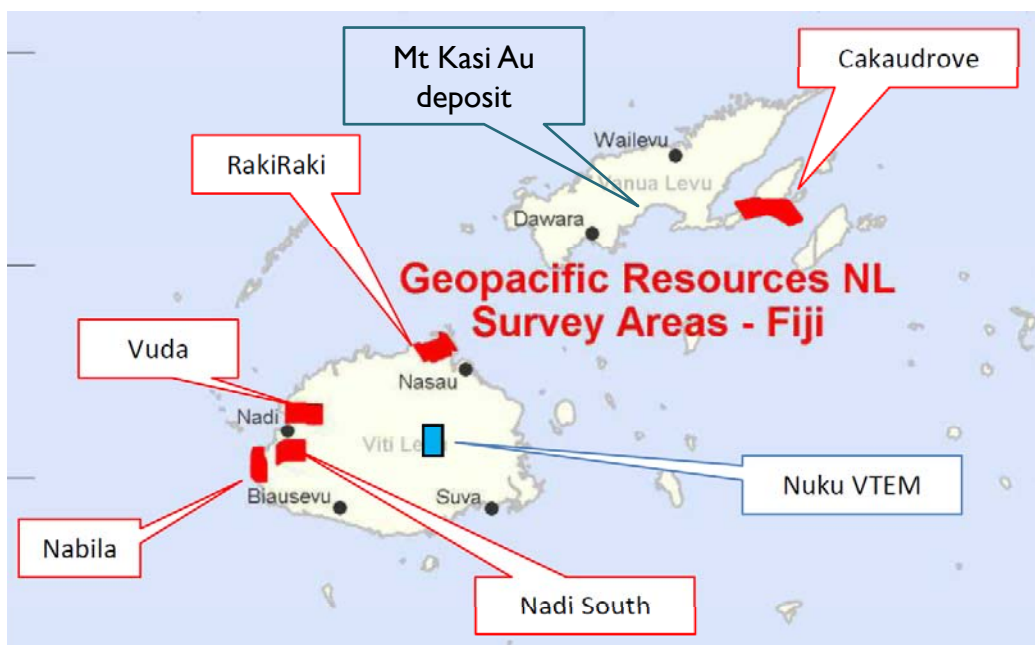


Figure 5. EM and geology of the south portion of the Nuku Project area.

Left side: VTEM 1.64 msec dB/dT image showing main conductor target areas (A and B). Flight lines were flown in a north-south direction. The anomalies reflect clay and pyrite alteration. Blue outlines are discrete magnetic anomalies (probable skarns), including Wailoaloa Zn-Au-Cu skarn. Note that there is some interference from the power line traversing the northern portion of target B.

Top right: Geology and alteration map of conductor target A

Cakaudrove – A new target area

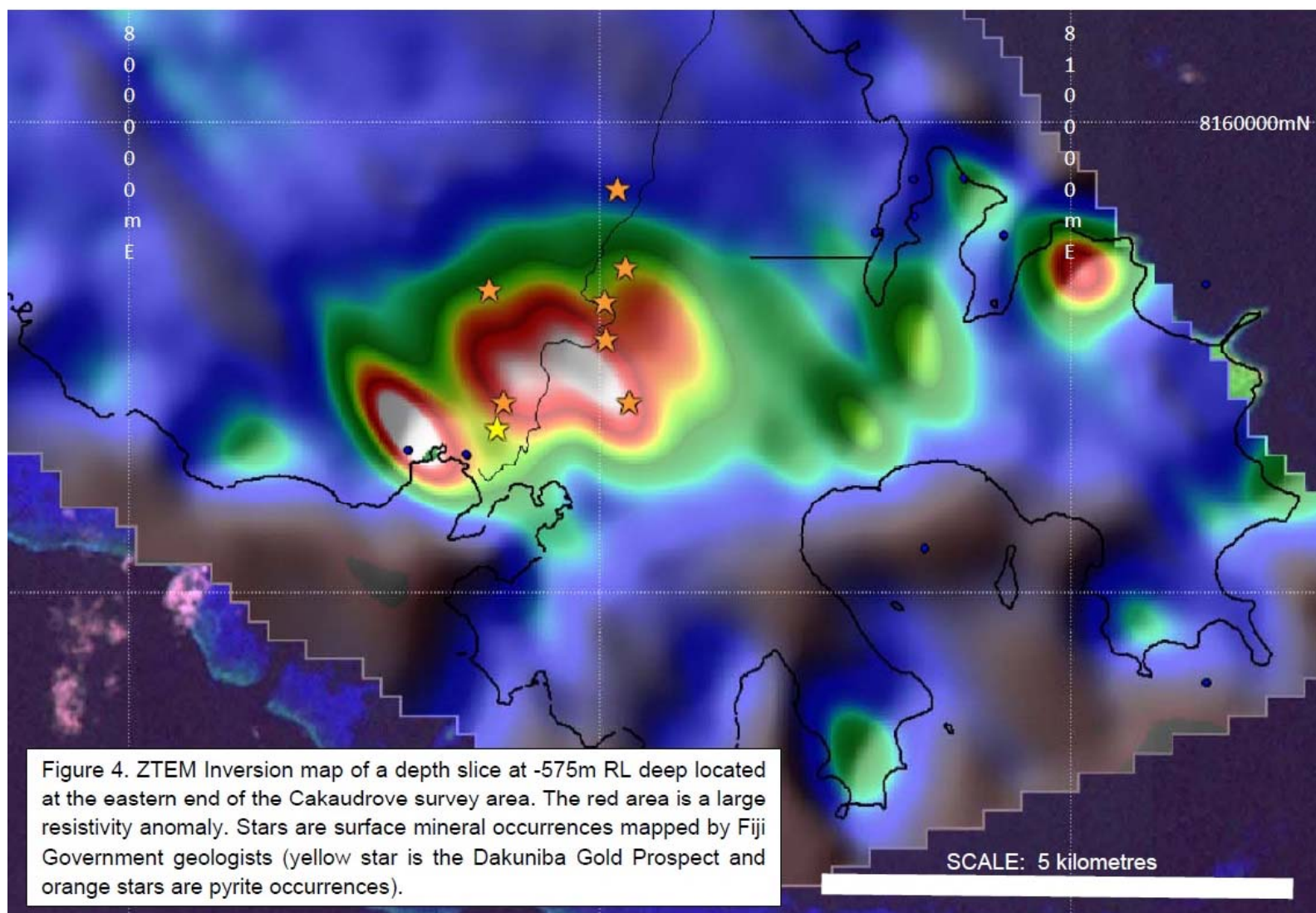


Why Cakaudrove?

- New tenement application in eastern Vanua Levu
- Promising geology and alteration
- Regional fault structures
- Known surface Au and pyrite mineralisation with limited modern follow-up
- In 'epithermal corridor'

- ZTEM survey completed and deep 'elephant' targets identified in prospective rocks
- Fine tuning 'evaluation' of ZTEM data in progress - using 2D and 3D processing
- Ground follow-up, mapping, surface sampling during May/June
- Drill testing of elephant target(s) could follow in late 2011

Cakaudrove South East ZTEM anomaly



Budget 6 months – drilling the ‘elephant’

April-September 2011 Budget (Australian dollars)

Administration (Sydney)	\$139K	15%
Travel/accommodation/salaries	\$184K	20%
Drilling testing (2,000 metres)	\$340K	37%
Ground exploration/assays	\$248K	27%

TOTAL \$911K

**85% of planned expenditure directly
towards ‘in ground’ exploration**

Exploration - Going forward

- Current evaluation of best ZTEM/VTEM targets using new software and best qualified geophysicists
- Drill rig in Fiji and available to start post Easter
- New drill rods for deep drilling arriving in Fiji mid-April
- Drill testing (600m hole) at deep Faddy's-Mistry target
- Geology evaluation of Sabeto target in April
- Geology assessment of Cakaudrove in May
- Drill hole selection of priority drill targets

Ground follow-up looking for 'signs'

Reprocessing and refining of geophysical data

Selection of best drill targets and design of drill test program

Drilling and drill core logging/sampling /assaying

Geopacific – Good reasons to Invest

- “Elephant” deposit potential. Is there a deep Wafi?
- Management and Board with commercial and technical history of success
- Board and management have skin in the game - insiders +50% ownership – investors and managers interests aligned
- Cheap entry to geologically prospective region
- Small Company approach - 85% of funds spent on development of assets
- State of the art technology and high quality, experienced and successful technical team with track record

Contact Details

ASX: GPR



Tim Biggs (Chairman)
Dr Ian Pringle (MD)
Level 4/425 Elizabeth Street,
Surry Hills.
(PO Box 477)
Tel 02 8622 1691
Fax 02 8622 1694
Email ianp@geopacific.com.au