

# Great Caesar Mining Leases

## Investor Presentation

50/50 Joint Venture Opportunity

128 Hectare Highly Prospective Gold Mining Leases

Townsville / Charters Towers District

North Queensland, Australia

17<sup>th</sup> April 2024

# Introducing Herencia Energy Gold Team

A team of experienced E&P and corporate professionals



**Phil McNamara**  
*Director-Pending*

- Mining Engineer with 40 years in the resource industry
- Former CEO and Managing Director of Amour Energy (ASX:AJQ)
- Former Managing Director Waratah Coal



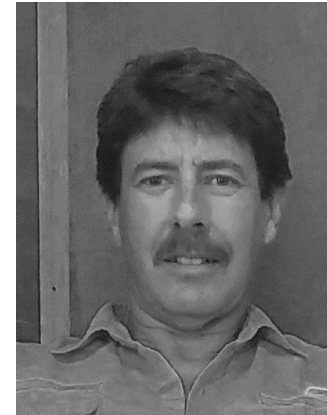
**Carl Dumbrell**  
*Director*

- Chartered Accountant, Australia, England & Wales
- EMP Company Secretary
- Executive Director of Herencia Resources PLC (AIM:HER)



**Graham Duncan**  
*Director*

- Chairman of RentGuarantor Holdings Plc.
- Chartered Accountant, England & Wales with more than 20 years' experience in advising listed companies.



**Dallas Cox**  
*Independent Mining Engineer*

- 42 years mining industry experience
- Qualified Open Pit Mine Manager
- Roles with Barrick Gold, Placer Dome, Eldorado Gold, Polymetals Resources, Fosterville, Granny Smith and Porgera gold projects.



**John Foley**  
*Geologist / Environmental Scientist*

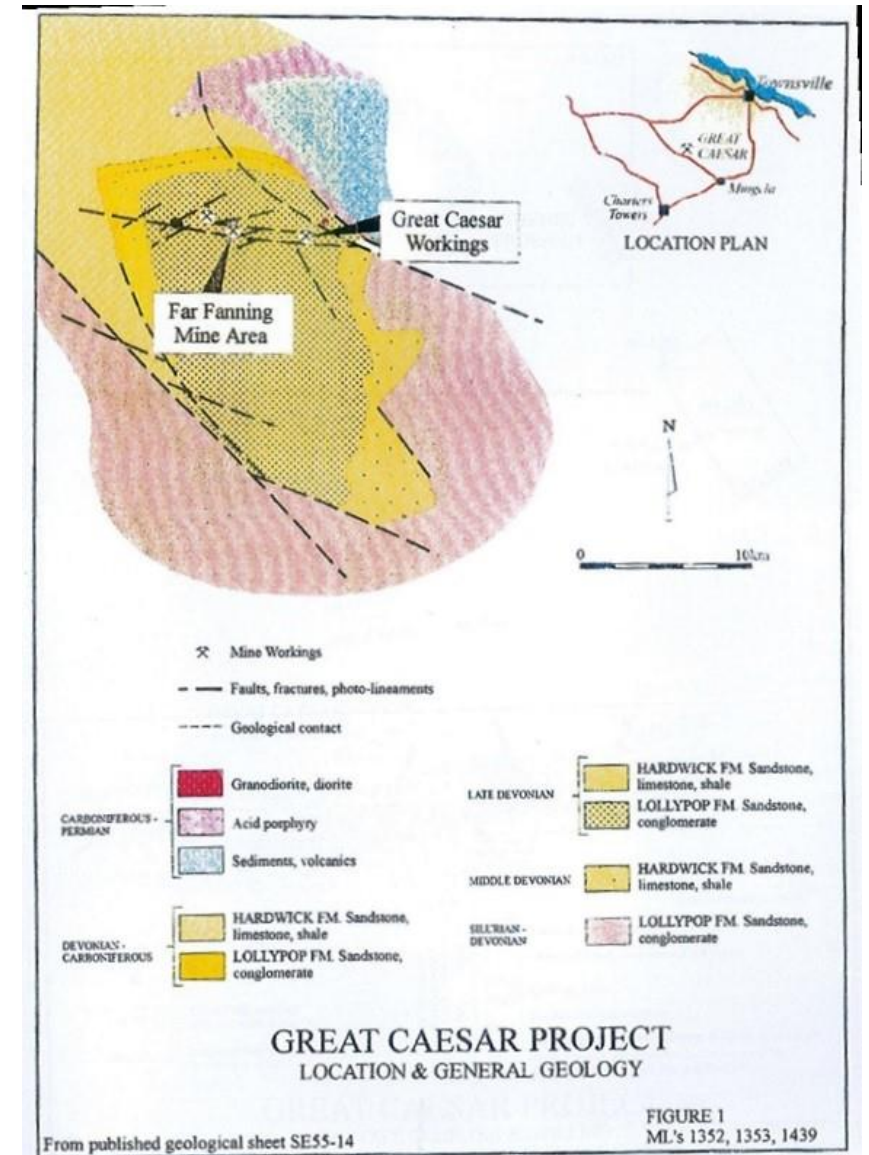
- 35 years experience in geology and environmental roles.
- Roles with Newcrest, Placer Dome, Barrick Gold, Ivanhoe, Telfer, Pajingo & Porgera.
- Knowledge and skills in environmental practices, permitting and management.

# Deal Structure and Joint Venture Arrangements

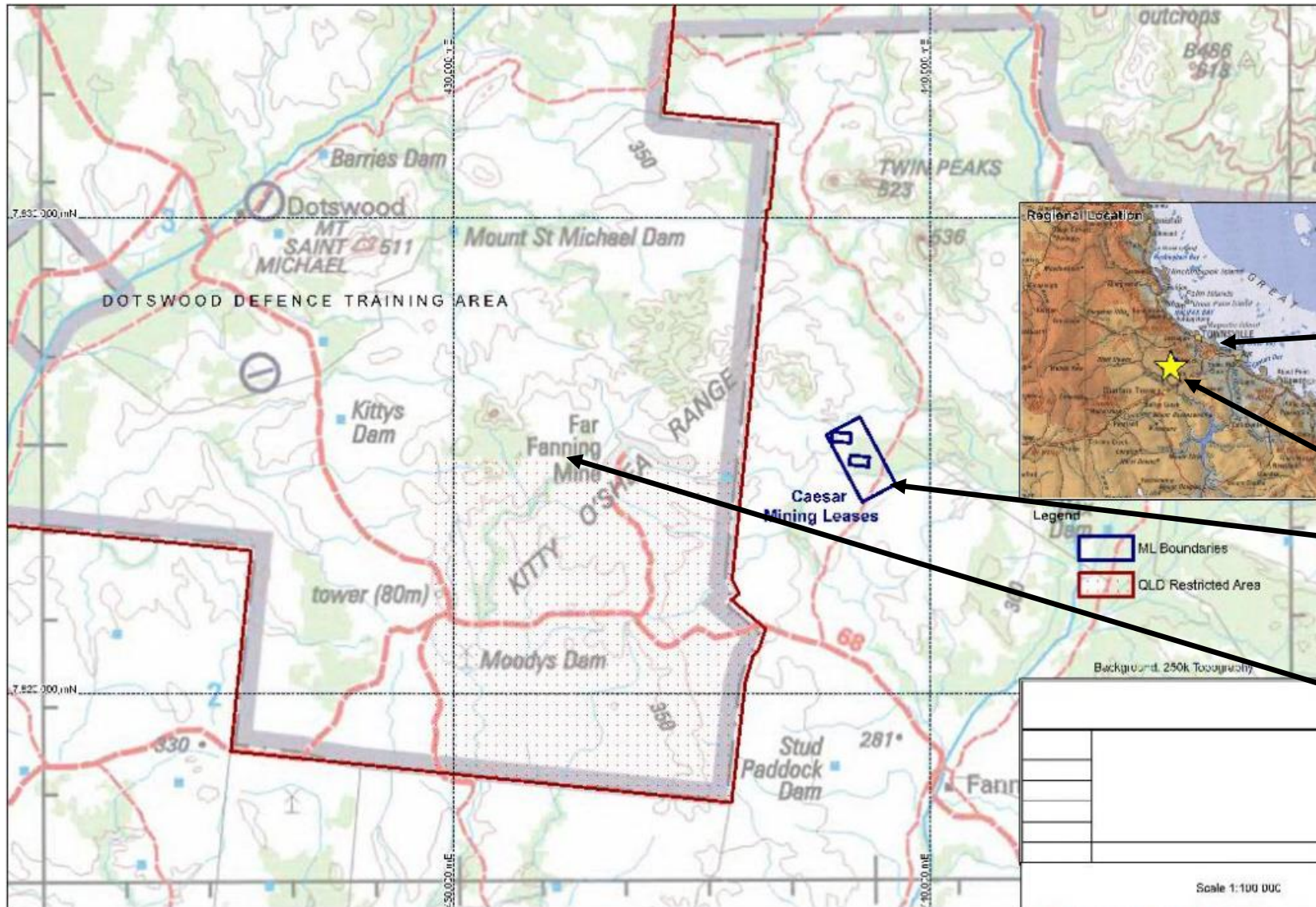
- Herencia Resources is ready to recommence company operations by raising **GBP £ 300,000** to:
  - Participate in a **50/50 Joint Venture**
  - For the purchase and initial exploration of 128 Hectares of highly prospective **Gold Mining Leases**
  - Located 60km southwest of Townsville, North Queensland, **Australia**.
- The proposed Joint Venture is with listed Australian gas exploration company Emperor Energy (ASX:EMP)
  - Emperor Energy has executed a binding contract to purchase the 128 Hectare Great Caesar Mining Leases
- The purchase price of the Mining Leases is AUD \$450,000 cash plus AUD \$50,000 in EMP Shares.
  - Emperor has expended AUD \$75,000 on Holding Deposits
  - Emperor has further costs to date of AUD \$75,000 including Due Diligence, Contracts, Soil and Rock Sampling
  - Emperor Energy will place AUD \$50,000 in EMP Shares at settlement
- Herencia intends to invest AUD \$400,000 to complete the purchase of the mining leases including
  - \$375,000 paid to the vendor on completion of the sale and purchase of the mining leases
  - AUD \$25,000 in transactional costs including application fees, stamp duty and professional fees.
- Following completion of the purchase of the Mining Leases, completed Emperor Energy will:
  - Invest AUD \$180,000 into the planned Stage 1 exploration program
  - Contribute a further AUD \$20,000 towards costs of completing the sale and purchase of the Mining Leases
- Intention is that when both Parties have each reached a total Project expenditure of \$400,000, all costs and revenues going forward will be shared under the provisions of the 50/50 Joint Venture

# Acquisition of Great Caesar Gold Mining Lease

- Sales and Purchase Agreement has been executed
  - Purchase of 3 x Mining Leases
  - AUD \$500,000 purchase price
  - Agreement conditions apply to the benefit of EMP
  - Settlement date is end of May 2024
- Located between Townsville and Charters Towers
- Highly prospective for gold
- Historic workings and geology studies
- Privately for 30 years – no exploration conducted
- Opportunity to generate early cash flow
  - Drill out near surface resource in 2024
  - Small contract mining operation 2025
  - Focus on high-grade commencing with outcropping zone
  - Truck ore to a gold processing plant in Charters Towers district
  - Contract toll milling and processing of ore



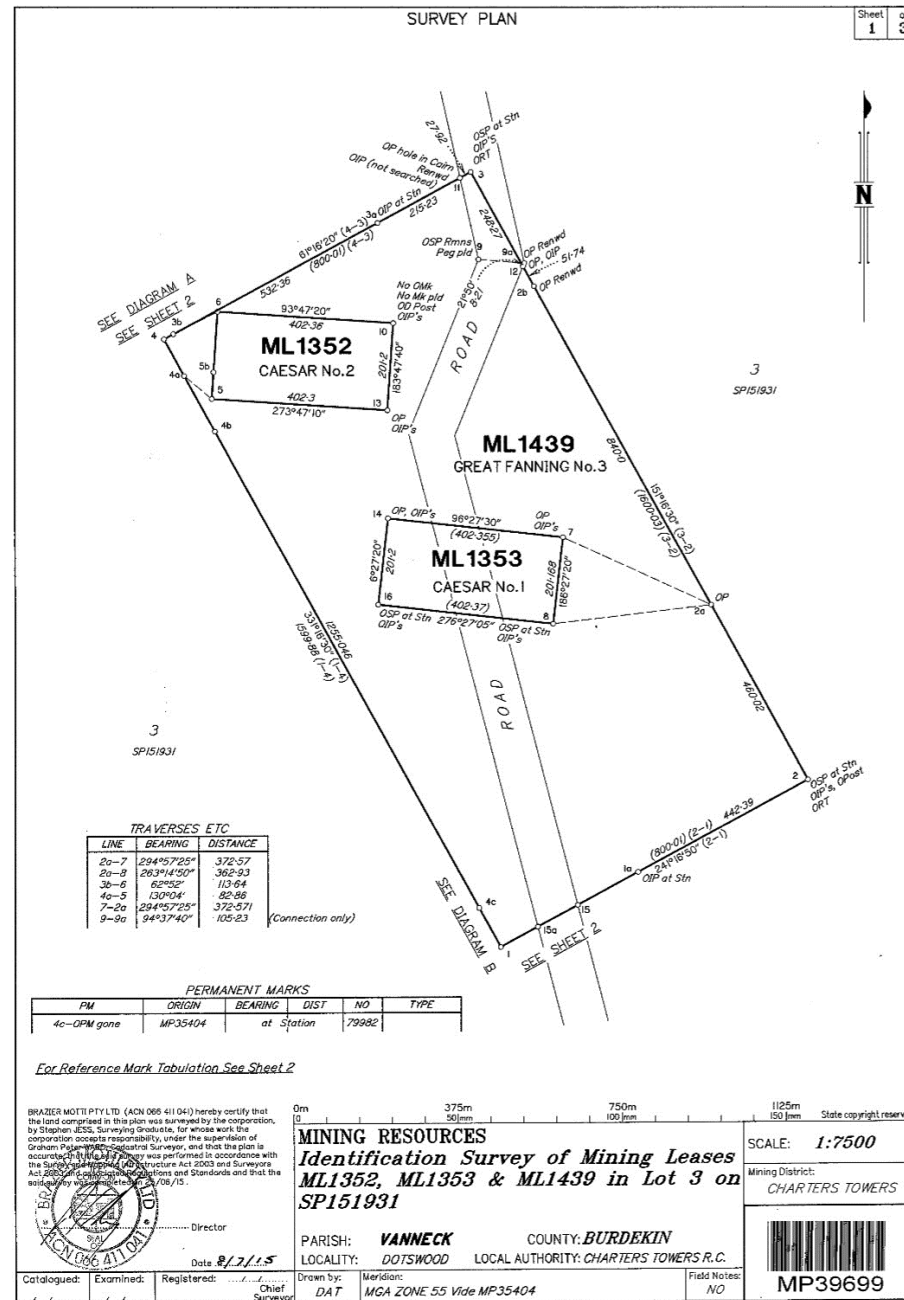
# Great Caesar Location Map



Townsville  
North Queensland,  
Australia

Great Caesar Leases

Far Fanning Mine



# Great Caesar Mining Leases

# What Makes this a Good Mining Prospect

---

- This property is a 128 Hectare Mining Lease
  - A Mining Lease is a far more advanced mining project than an exploration permit
  - It provides a fast track to Mining Operations
  - There are no Registered Environmentally Sensitive Areas
  - There is an existing Environmental Approval with Standard Mining Lease Conditions already in place
  - 10 Hectares of disturbance is already approved ( 5 Hectares Mining / 5 Hectares Infrastructure)
  - Requires a plan of operations to be approved, then appoint mining officials (Senior Site Executive)
  - Some Approvals required from other authorities, Local Council, State Government Departments
  - Requires execution of a Land Access Agreement with Australian Defence Force (Commonwealth Govt)
  - This is a discreet location not too far from Town - No dwellings within 20km of the Leases
- Native Title has been extinguished
  - Requires standard Cultural Heritage Clearance
- Located between Townsville and the Charters Towers, North Queensland, Australia.
  - This is an established gold mining precinct
  - Full range of mining services available with local Mining Contractors and Gold Processing facilities
  - 1.5 hours drive from Townsville or Charters Towers
  - Daily commutable distance for mining contractors. No requirement for a Mining Camp

# What Makes this a Good Mining Prospect

---

- The Great Caesar Reef Is Outcropping
  - Direct access to gold bearing ore provides opportunity for low start up mining costs
  - Dependent on exploration results, an opportunity exists to scale up operations in multiple phases controlled by overall mine plan
  - Staged approach reduces demand for up front capital
    - Also controls costs of upfront costs of Financial Surety for Rehabilitation Obligations
- Mining Lease Layout is suited to the project
  - Lease orientation sits well with current interpretation of the deposit
  - It has previously been determined by someone who understood the deposit layout in 1987
  - A larger lease has been wrapped around the original smaller leases – This provides room to operate
  - After the owners established the larger Mining Lease in 1987, the asset has remained privately held, been compliance maintained and not developed.
  - The all-time high current Gold pricing of AUD \$3720 makes this a very attractive investment proposition



## **Robert Pyper's Report**

- The most comprehensive historical report available relating to the 3 Mining Leases was compiled in 1997 by Mr R C W Pyper, BSc., FAusIMM, Consulting Geologist (**Pyper**).
- At that point in time Pyper had 34 Years experience as a Geologist and had been in Consulting Practise for 14 Years. Pyper states that his report “has been prepared in accordance with the code and guidelines for the Assessment and Valuation of Mineral Assets and Mineral Securities for Independent Expert Reports (The Valmin Code) as adopted by AusIMM 17<sup>th</sup> February 1995”.

## **Extracts from Pyper's report state as follows:**

- “The Great Caesar Prospect is a gold bearing structure which was mined for gold last century and again in the 1930s. It comprises 3 Mining Leases. These cover portion of a 10 – 15 km gold bearing structure along which some open cut mining has already taken place at Far Fanning.”
- “The Mines at Great Caesar were first worked for Gold late last Century (1890s) but records are scarce. Some 52 tonnes (t) of ore are recorded as being mined in the 1930s at an average grade of 16 grams per tonne gold (g/t Au) and 40 tonnes of tailings were treated, apparently at a grade of 27 g/t Au.”
- “A number of companies inspected the old workings in the mid-seventies, but no useful work was carried out until Marathon Petroleum Australia Ltd (Marathon), commenced work in 1980. Marathon carried out a photogeological study and an orientation geochemical study. Their research concluded that the mineralisation was probably associated with the late phase differentiates of the Kitty O'Shea intrusion which had not been unroofed, and that the mainly covered terrain and strongly disseminated mineralisation from the orientation soil geochemistry results constituted a prime exploration target, possibly more interesting than Far Fanning.”
- “In late 1981, Aberfoyle Exploration Pty Ltd completed mapping and rock chip sampling and put in nine costeans across the mineralisation. The results of this work are tabulated below from which they calculated that the gossanous reef zones averaged 7.8 g/t Au and 8.1 g/t Ag”

## Rock chip Sampling – Aberfoyle Exploration 1981 – Co-ordinates not Available

Interval	Gold g/t	Interval	Gold g/t
1m	@ 6.9	5m	@ 1.2
2m	@19.9	2.5m	@ 5.4
1.5m	@ 4.0	0.9m	@ 6.2
2m	@ 4.8	0.5m	@ 3.5

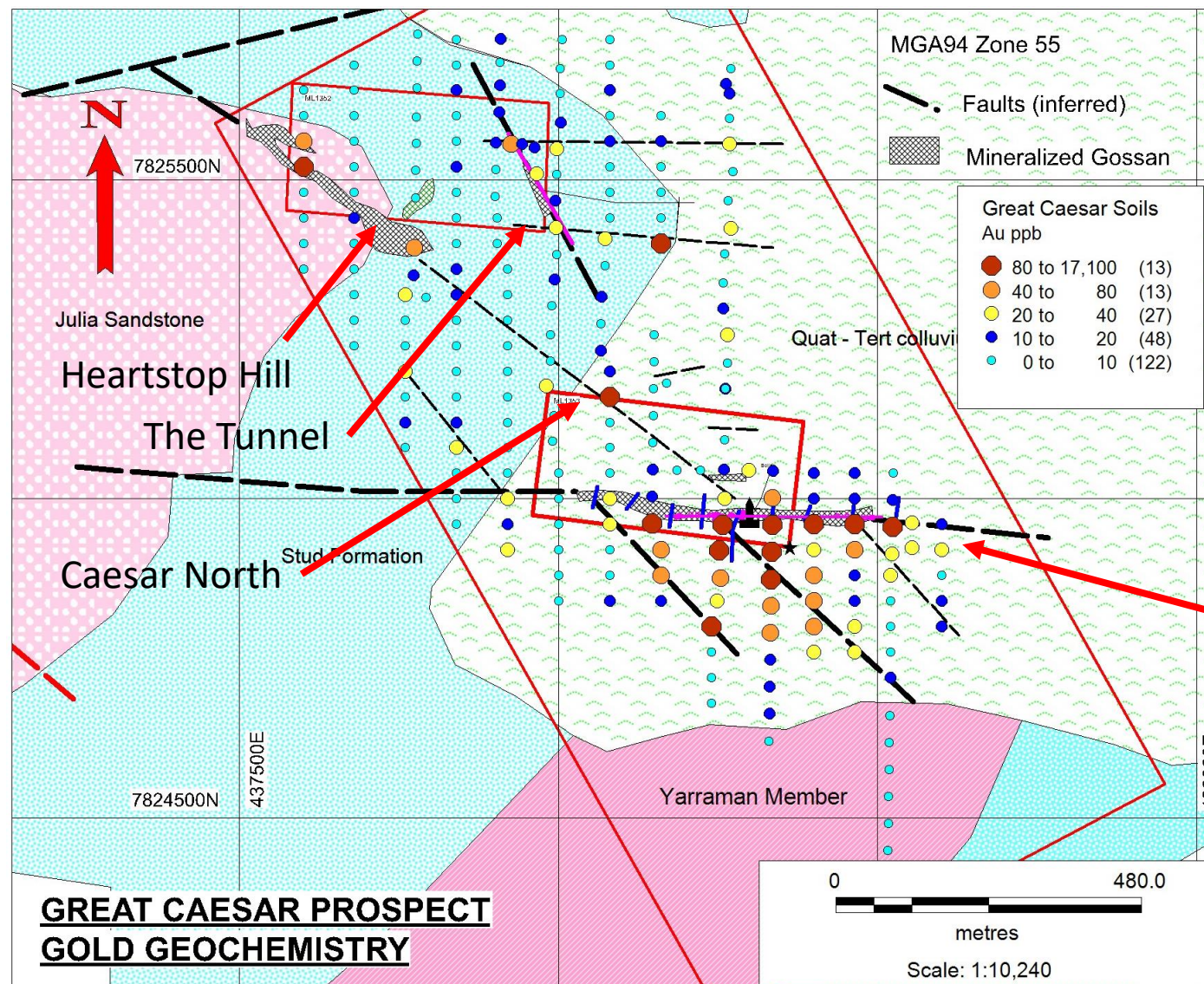
- Three zones are reported to have been identified which correspond to the main areas of workings designated as:

Zone	Strike (m)	Width (m)	Gold (g/t)
A	130	4	4.1
B	85	2.5	2.9
C	50	2.5	3.7

- Important Note: This Interpretation of 3 zones is used as the basis of the conceptual mining operation laid out in this presentation.**
- An examination of the costeans by R Watters and Associates in 1983 noted that high gold values had been obtained from grab samples of outcrop adjacent to the costeans, while the costeans had assayed less than 1 g/t Au. He noted almost no fresh bedrock in the costeans, which appeared to be very shallow, and also observed that where hardrock had been sampled there was almost invariably an “ore-grade” assay. He calculated that the weighted average of the above data was 3.63g/t Au for a possible resource of 2200t per vertical metre.
- “In 1984, Pegmin Ltd undertook rock chip sampling along the Great Caesar lode obtaining samples ranging from 1.3 g/t Au to 38.2 g/t Au. They also sampled Caesar North, The Tunnel and Heart Stop Hill areas which had not been previously sampled.”

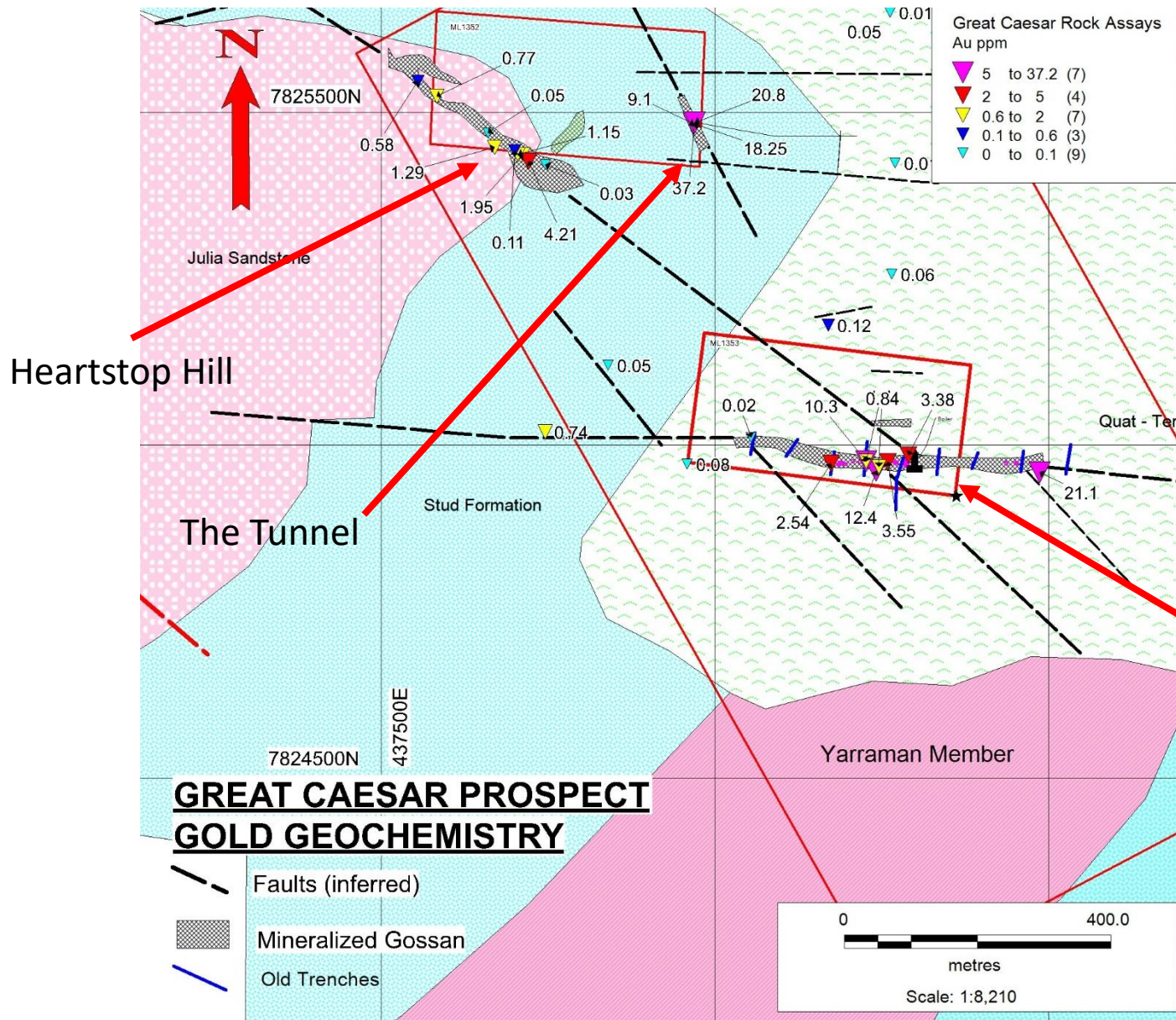
- “At **Caesar North**, 250m north of the Great Caesar lode a gold bearing breccia can be traced by manganese staining and pit exposures. A rock chip sample from here returned 1.5m @ 18.4 g/t Au.”
- “At **Heart Stop Hill** an alteration system was located extending for 300m and containing quartz and gossanous material and stockworks in arkose. Rock sampling gave values from trace to 119.5 g/t Au”
- “At **The Tunnel**, a similar zone to Heart Stop Hill trends Northwesterly and dips 45 degrees Southerly. A sample from workings here returned 124.6 g/t.”
- “The Leases cover gold bearing siliceous and tectonically brecciated sandstones and fractured siltstones. Within these are gossanous quartz zones and stringer veins, striking at about 80 degrees and dipping 35 degrees north and which extend for some 550m with widths commonly around 3-5m. The sequence includes a set of repetitive mineralized beds which, in surface exposure, are quartz veined, variably gossanous, clayey and brecciated.”
- “The gold is associated with minor silver, lead and copper sulphides and with abundant pyrite and arsenopyrite. A broad zone of potash alteration surrounds the main mineralization with indicated grades from surface sampling of 7.8 g/t Au and 8.1 g/t silver (Ag). Wall rock of veined, siltstone breccia averaged 2.9 g/t Au.”
- “The surviving analytical data from previous work does not make the evaluation of the Great Caesar Workings clear. The figures for 2200t/vert.m at a grade of 3.63g/t Au is based on the costeans which do not appear to be very effective in exposing the lodes and is not supported by drilling. Drilling would indicate that the zone hosts some 8000 tonnes of shallow oxidized material in the order of 6 g/t Au, which on present information can be projected to about 20m depth.”

# Soil Sampling Results



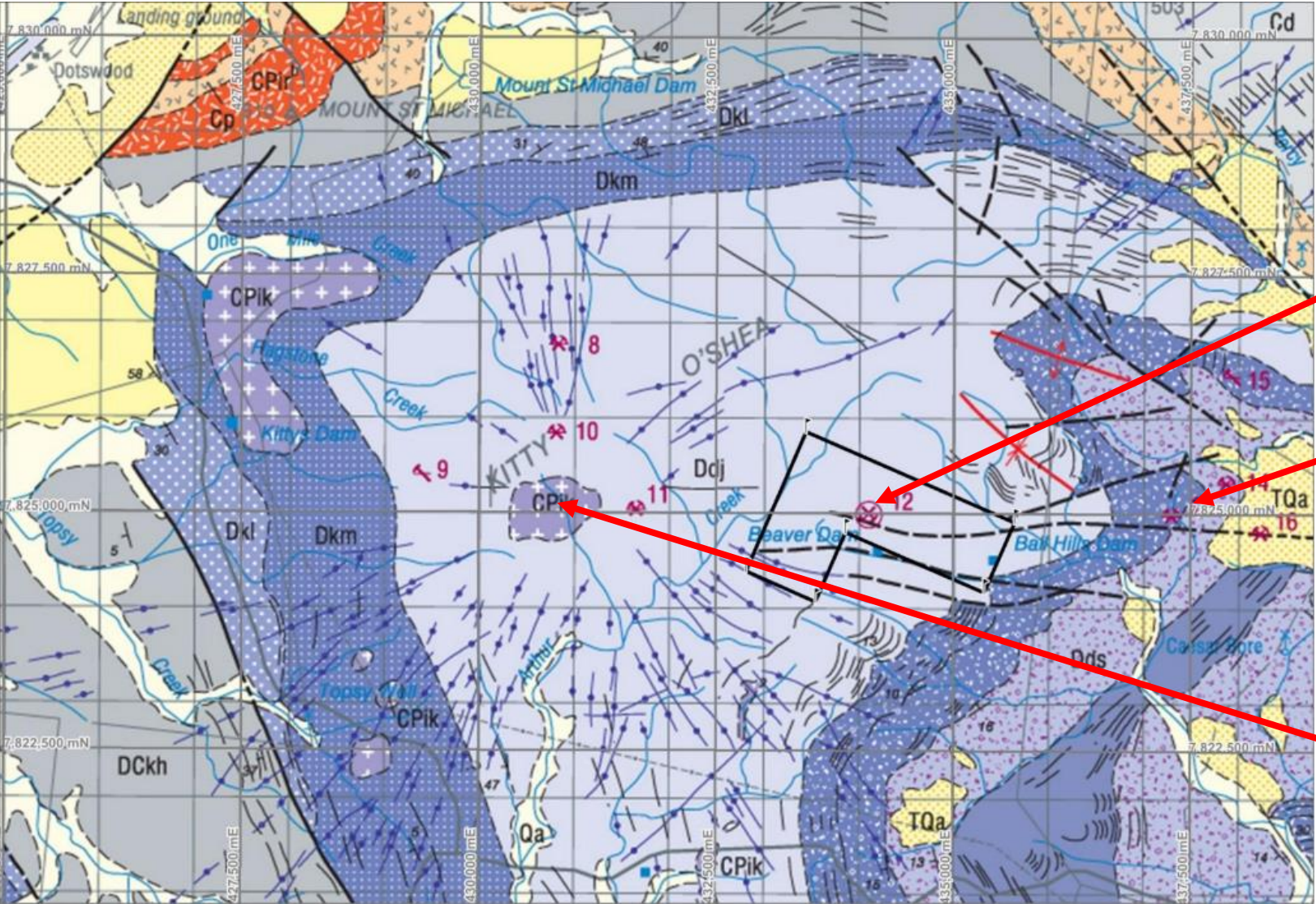
- Soil sampling results from Due Diligence work carried out by Emperor Energy indicate anomalous gold results.
- High results seen at;
  - Great Caesar Workings
  - Caesar North
  - The Tunnel
  - Heart Stop Hill
- Results align with previous historical geology reports
- Obvious first drill target is the Great Caesar Workings

# Rock Sample Assays



- Rock Sample Assay results from Due Diligence work carried out by Emperor Energy show ore grades aligning with soil sample results.
  - High results seen at;
    - Great Caesar Workings
    - The Tunnel
  - Results align with previous historical geology reports
  - Obvious first drill target is the Great Caesar Workings
  - The Tunnel also warrants first phase exploration drilling
- Great Caesar Workings

# Regional Geology

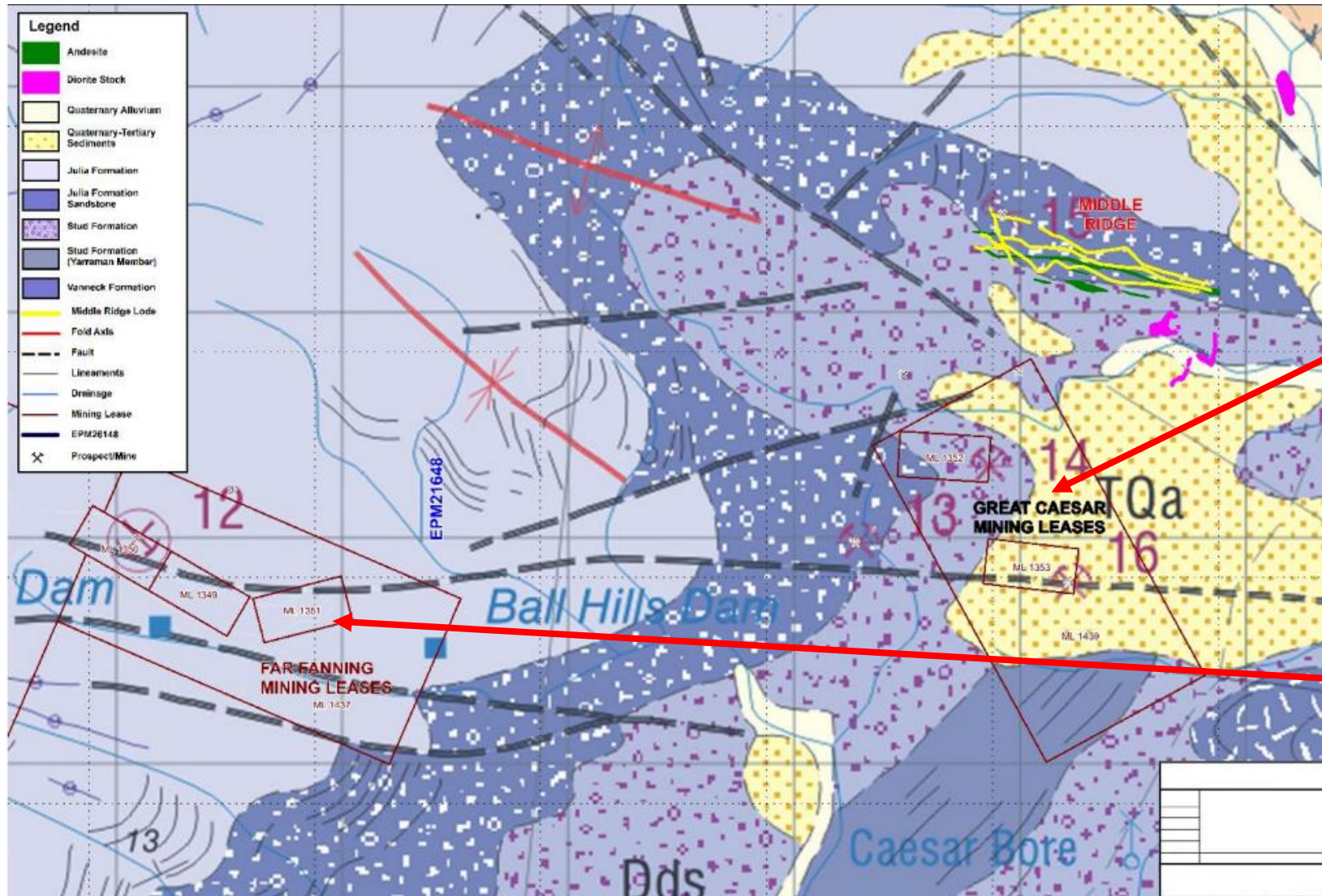


Far Fanning Mine

Great Caesar Leases

Kitty O'Shea Intrusive Complex

# Localised Geology



Great Caesar Leases

Far Fanning Mine

# Hand Mined Workings at Great Caesar Outcrop





# Hand Mined Workings at Great Caesar Outcrop



# “The Tunnel” and “Heartstop Hill”



View from “The Tunnel” to “Heartstop Hill”



Brecciated Sandstone and Gossanous Material at “Heartstop Hill”

# Hand Mined Stope – “The Tunnel”



Ore Sample Assay from 500mm thick  
gossanous zone returned 37 Au g/t

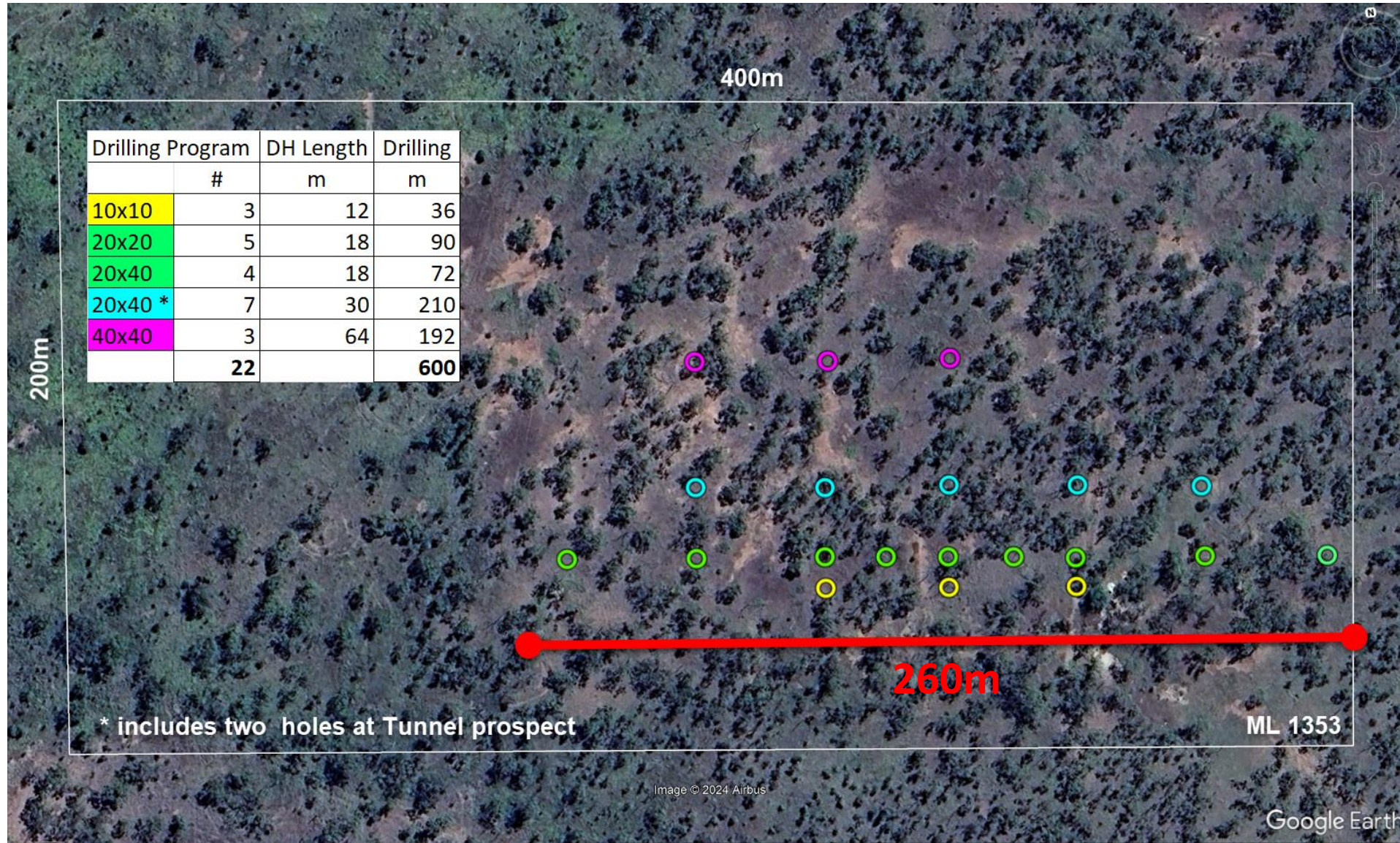


# Exploration Program

---

- Initial Stage 1 Exploration Program based on
  - Drilling along 260m of Great Caesar outcrop strike length
    - 20 holes targeting depths of 12m, 18m, 30m and 60m depth.
    - 540m total
  - Drilling High Grade Gossanous target at “The Tunnel” hand mined stope
    - 2 holes targeting 30m depth
    - 60m total
  - Total Drilling 600m
  - AUD \$180,000 including drilling, assays, support staff costs, mobilisation, demobilisation
- Secondary Exploration Program to infill drill the Great Caesar outcrop
  - Focused program to set up measured and indicated resource status
  - 400m drilling
  - AUD \$120,000
- AUD \$300,000 Total Exploration costs ready to prepare Feasibility Study of Stage One mining operations

# Phase 1 Exploration Program



## Capital Expenditure Plan

- **Front End Capital Costs to Exploration Stage and Potential JORC Resource**
  - Acquisition of Mining Leases \$500,000
  - Additional costs expended to date \$75,000
  - Lease transfer costs, exploration approvals and environment bond \$50,000  
for exploration program
  - Exploration Program Stage 1 \$180,000
  - Exploration Program Stage 2 \$120,000
    - Total **\$925,000**
  
- **Mining Setup Capital Costs Ready to Commence Contract Mining and Toll Processing**
  - Mining Environmental Management Plan \$20,000
  - Environmental Bond for 3 Hectares disturbance \$40,000
  - Environmental Monitoring and Control Setup \$40,000
  - Landowner Agreement (Department of Defence) \$30,000
  - Cultural Heritage Clearance \$10,000
  - Feasibility Study Consultants and Test Work \$80,000
  - Mobilisation / Demobilisation Costs \$70,000
  - Site Preparation and Establishment, Clearing, Roads, Ore Pad,  
Fencing, Signage, Site Office and Ancillaries \$160,000
  - Contingency 10% \$50,000
    - Total **\$500,000**

Contact Details: Graham Duncan +44 7549 005681  
g.duncan@graham-duncan.com

Carl Dumbrell +61 402 277 282  
carl@herenciaresources.com