

Korella North leading Chatham forward

Presentation

22nd August 2023, AusIMM NZ Conference

Chris Castle, CEO and Managing Director

Colin Randall, Executive Director

Chatham Rock Phosphate Limited

Corporate

- Listed as CRP on NZX New Zealand, NZP on TSX-V Toronto, Canada and also on Frankfurt Bourse
- Over 3000 shareholders
- Market Capitalisation CAN\$11.7 million(at 16/8/23)
- CEO and Managing Director, Chris Castle – New Zealand
- President Directeur General- SAS Avenir Makatea – Etienne Faaeva-Papeete, Tahiti, French Polynesia
- Executive Director, Colin Randall – Cloncurry, Queensland

Company Outline

- **Low cadmium phosphate**
- **Chatham Rise undersea project – New Zealand**
- **Makatea mining/rehabilitation/eco-tourism project – French Polynesia**
- **Korella phosphate projects – Queensland**
- **Pacific Rare Earths Limited – New Zealand/ Queensland**



LOS ANGELES

HONOLULU

PARIS

TOKYO

SANTIAGO

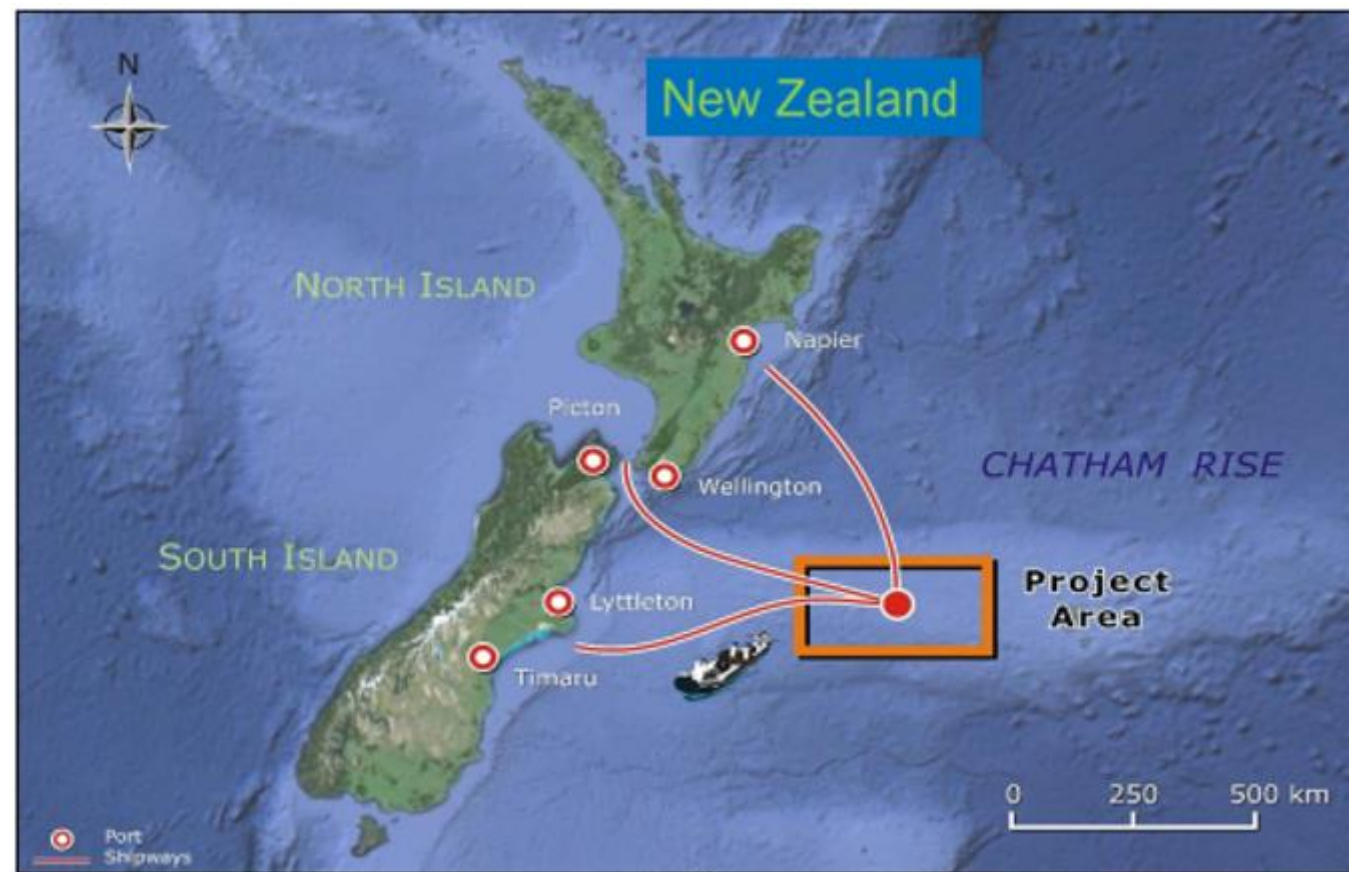
SYDNEY

AUCKLAND

MAKATEA



New Zealand – Chatham Rise phosphorites



Typical dredging vessel
235m Conventional
Trailing Suction Hopper
Dredger – one of 91 such
vessels in the world fleet
(IADC Fleet List – January 2019)

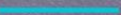





Avenir Makatea

MAKATEA



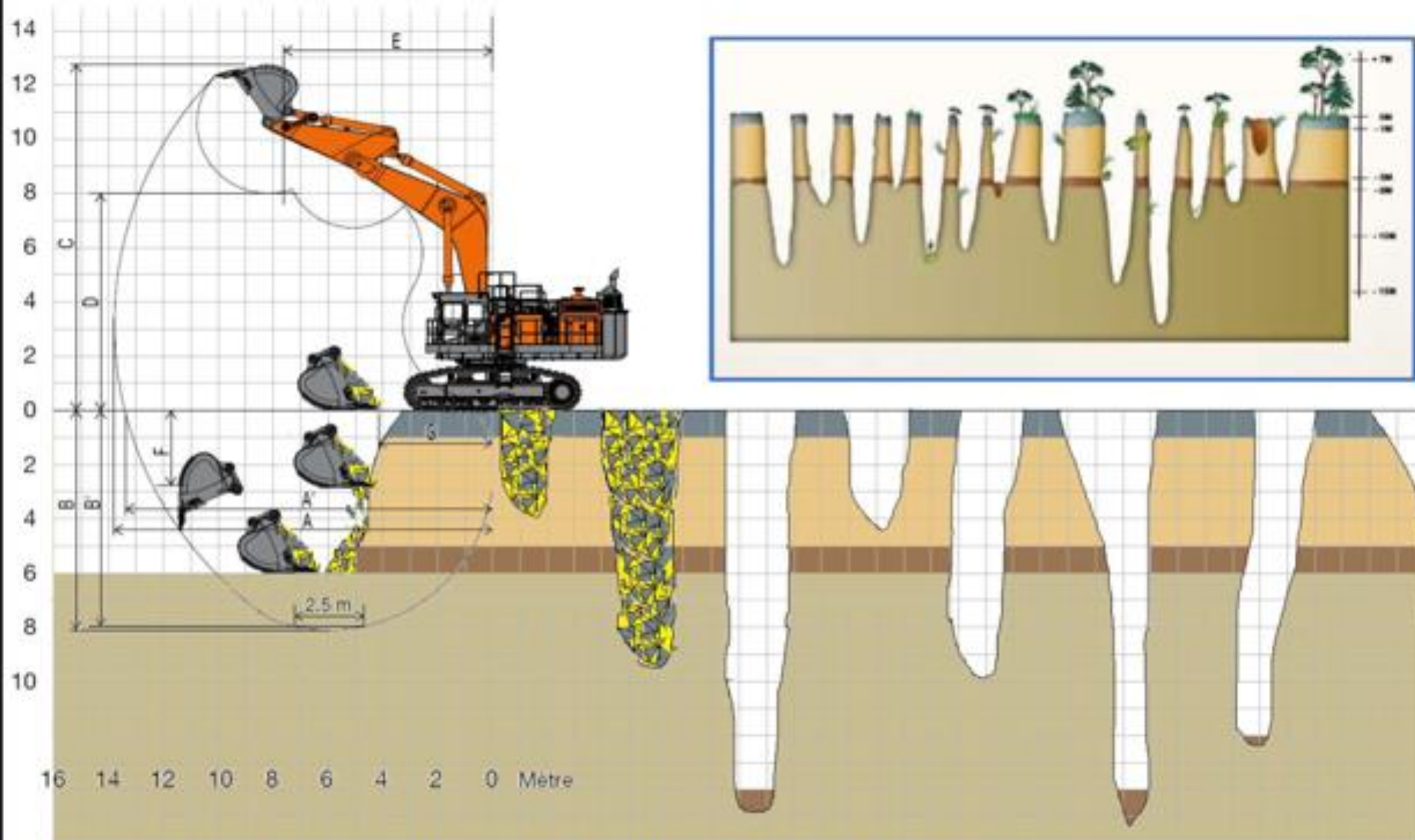
Route actuelle 
Limite du PER 





Filling of the holes in order to enlarge the bench and to proceed with the aspiration of the phosphate in the others hole bottoms # 25.

25



Filling of holes previously emptied of their phosphate and loading of trucks if necessary.

The advantage of installing a excavator at height makes it possible to select and load into the truck the different qualities of materials constituting the walls of feo # 26.

Korella Phosphate Cloncurry NW Queensland



Korella Phosphate Projects

Korella Fertilizers

- Cloncurry Distribution Hub – Round Oak Road
- Korella North –EPM 28589 – Domestic/Export from Q3 2024
- Korella Central – ML90209 – Court proceedings to enforce contract
- Korella South – EPM 28187 – Export from 2026

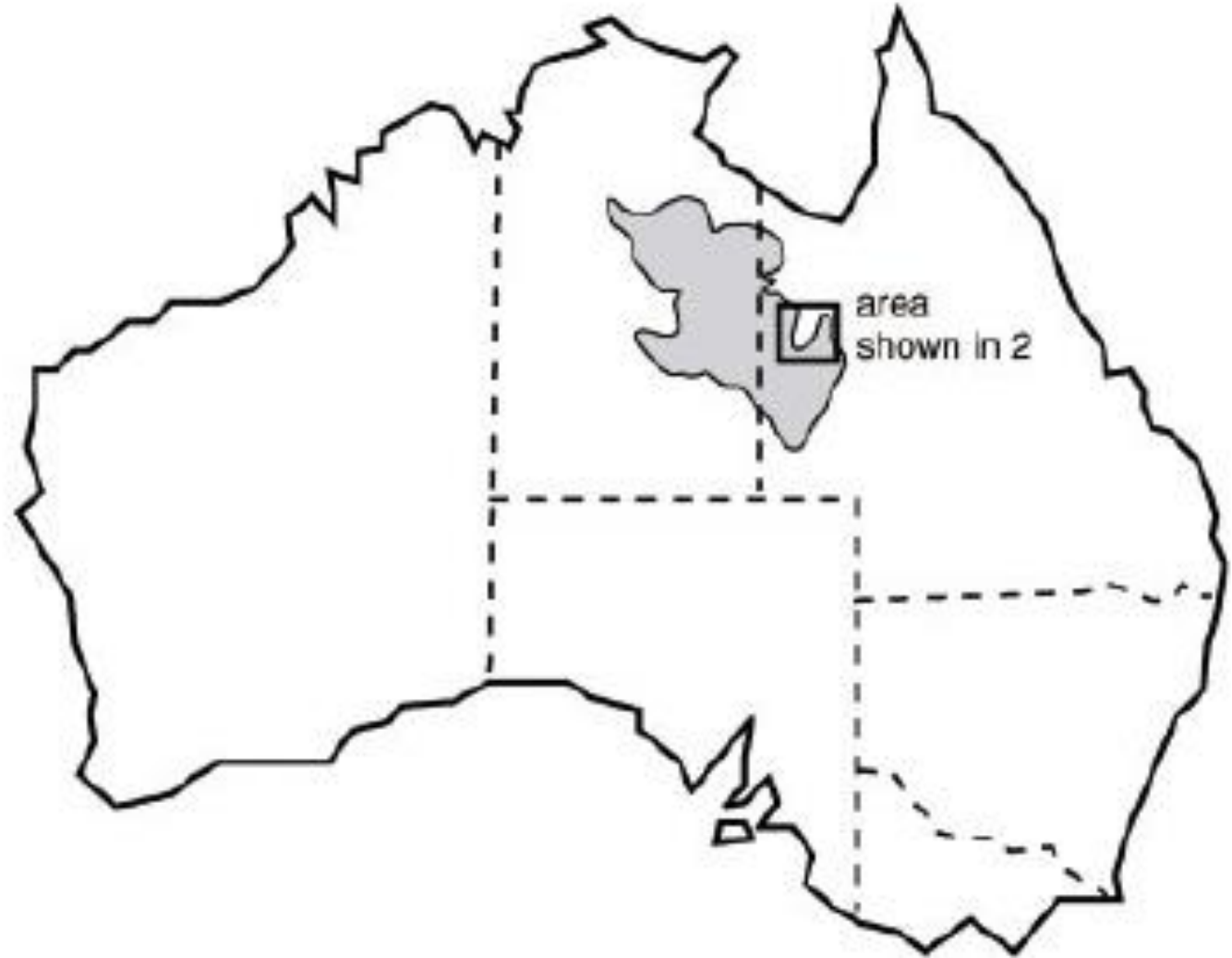
Korella Terminals

- Korella North - 2Mtpa capacity bulk rail loading facility
- Port of Townsville – 5Mtpa ship bulk loading facility

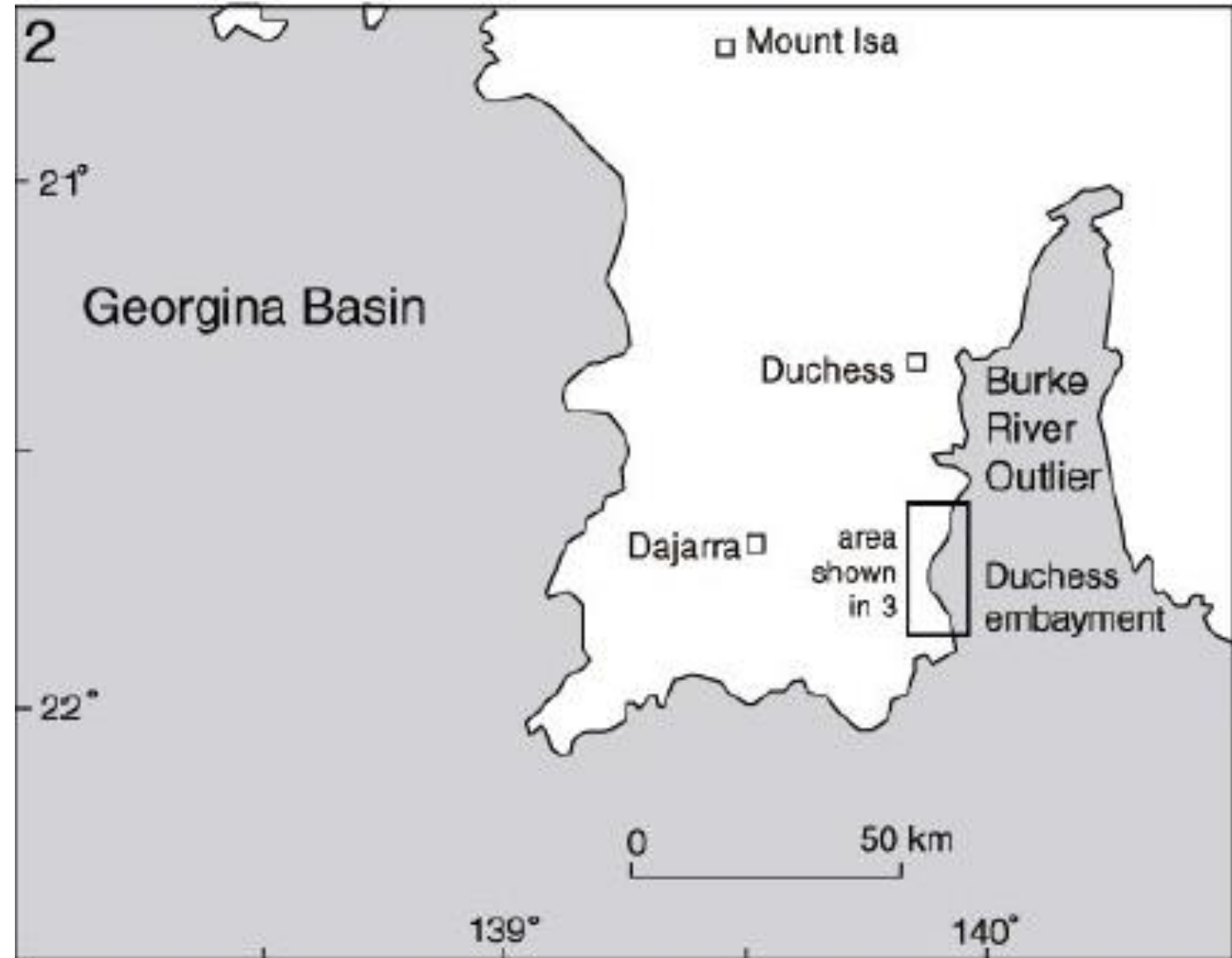
Korella MCP – Cloncurry based monocalcium phosphate plant



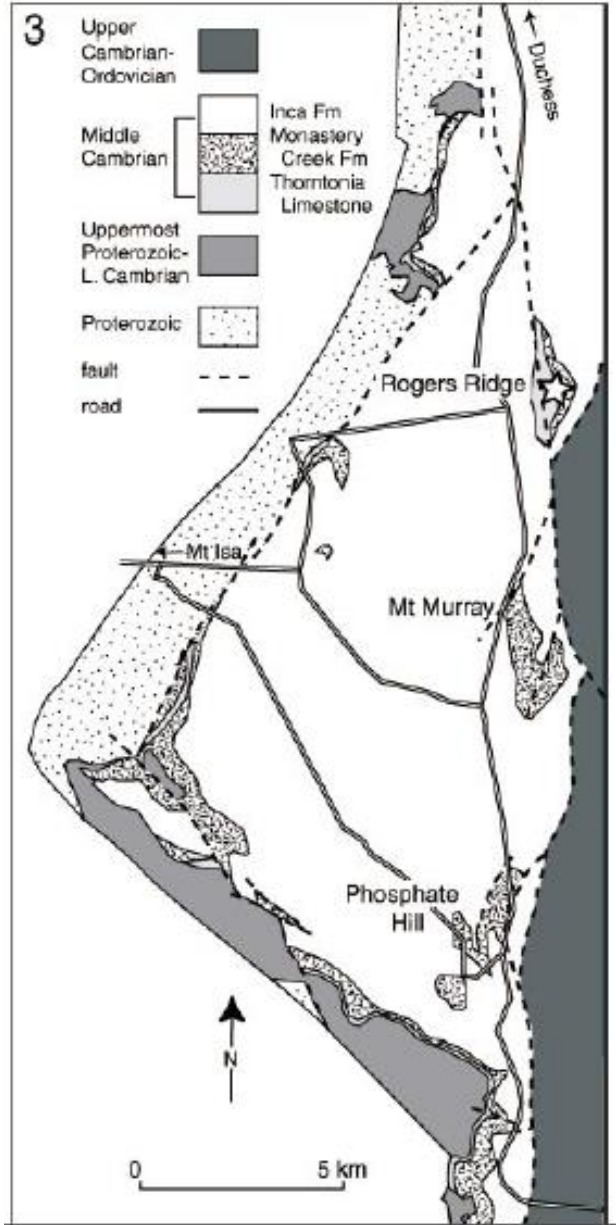
Georgina Basin

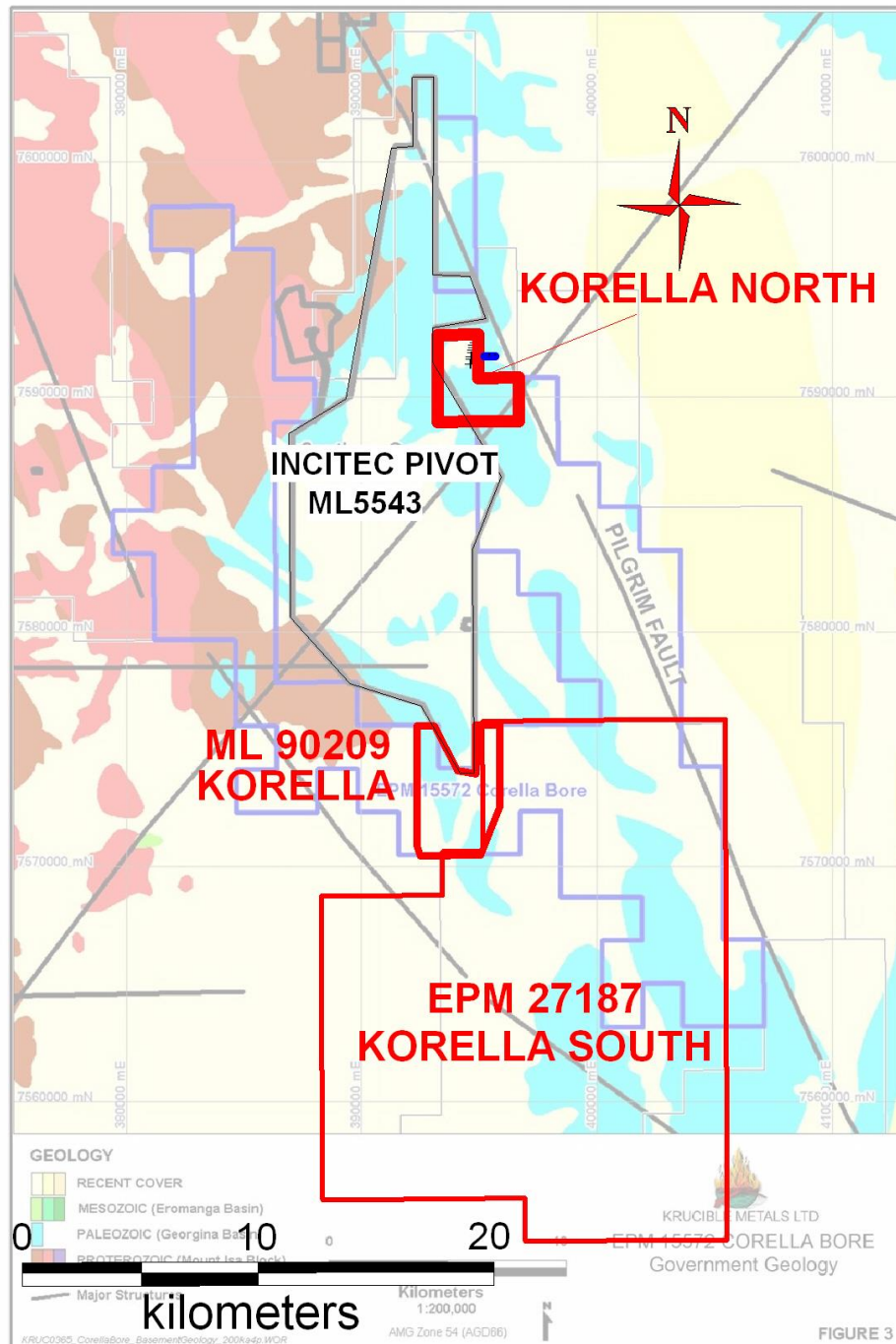


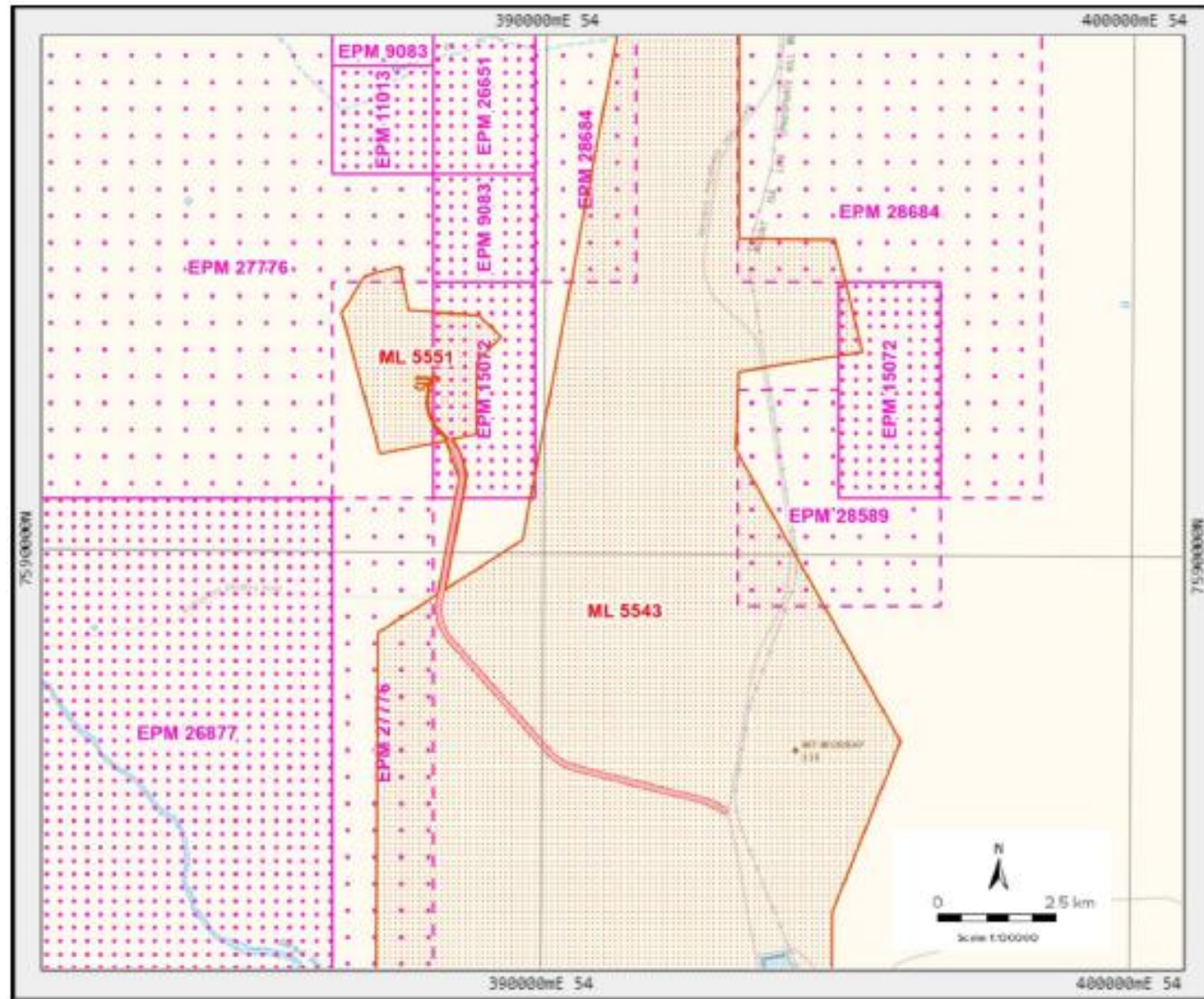
Duchess Embayment



Western shoreline



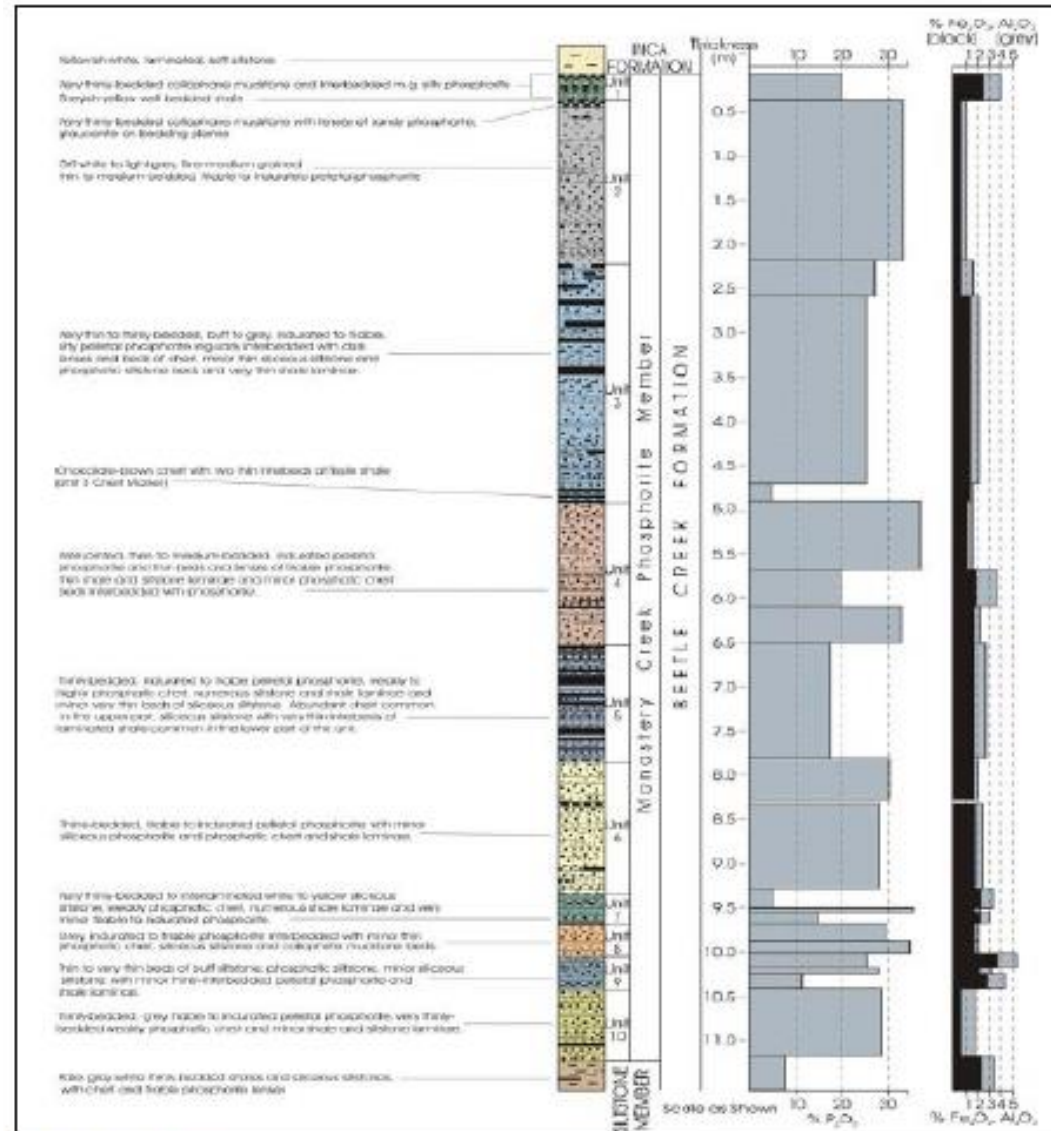




Source: Qld Government - <https://georesglobe.information.qld.gov.au/>

Monastery Creek Phosphate Member

Stratigraphic Column



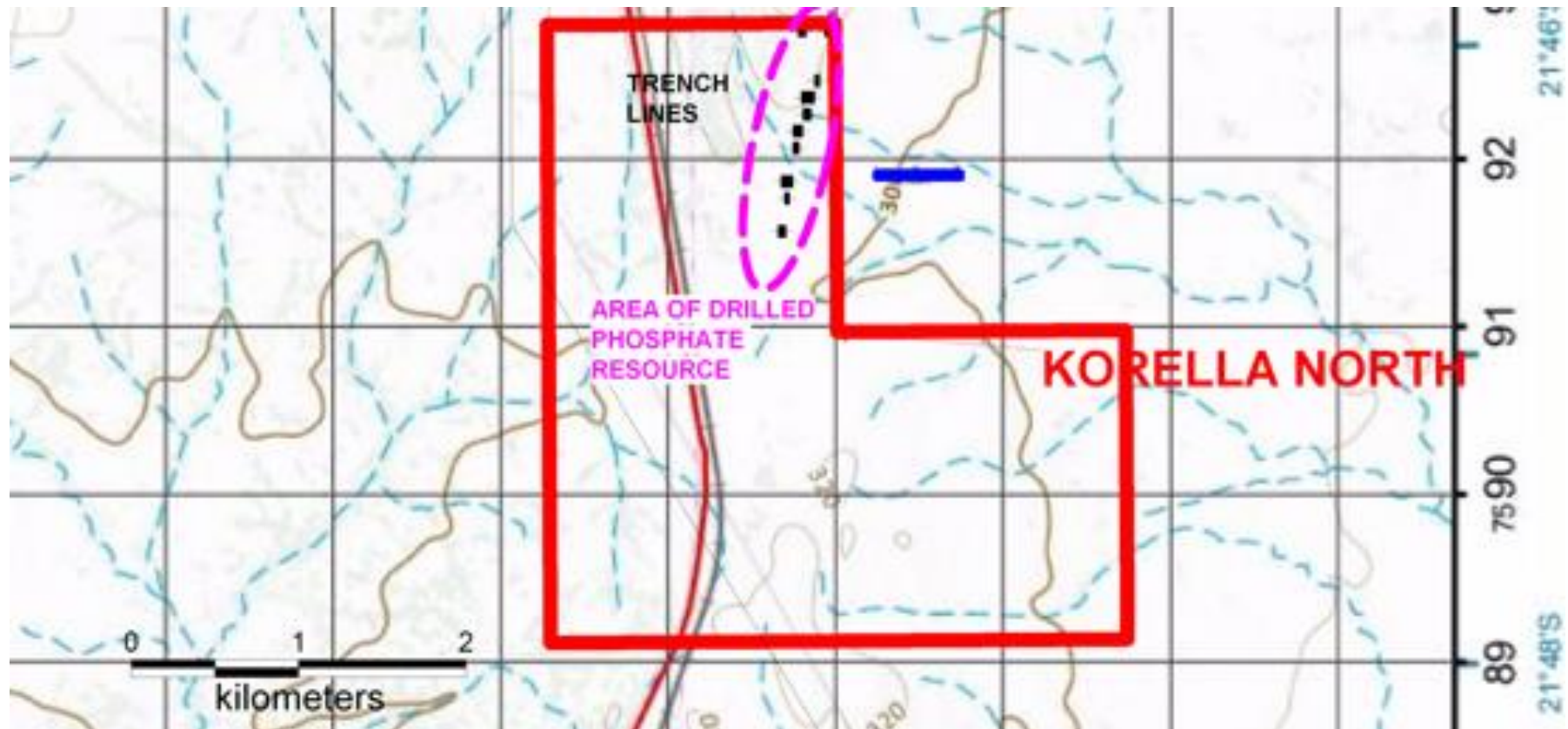
Source: WMC Fertilisers.

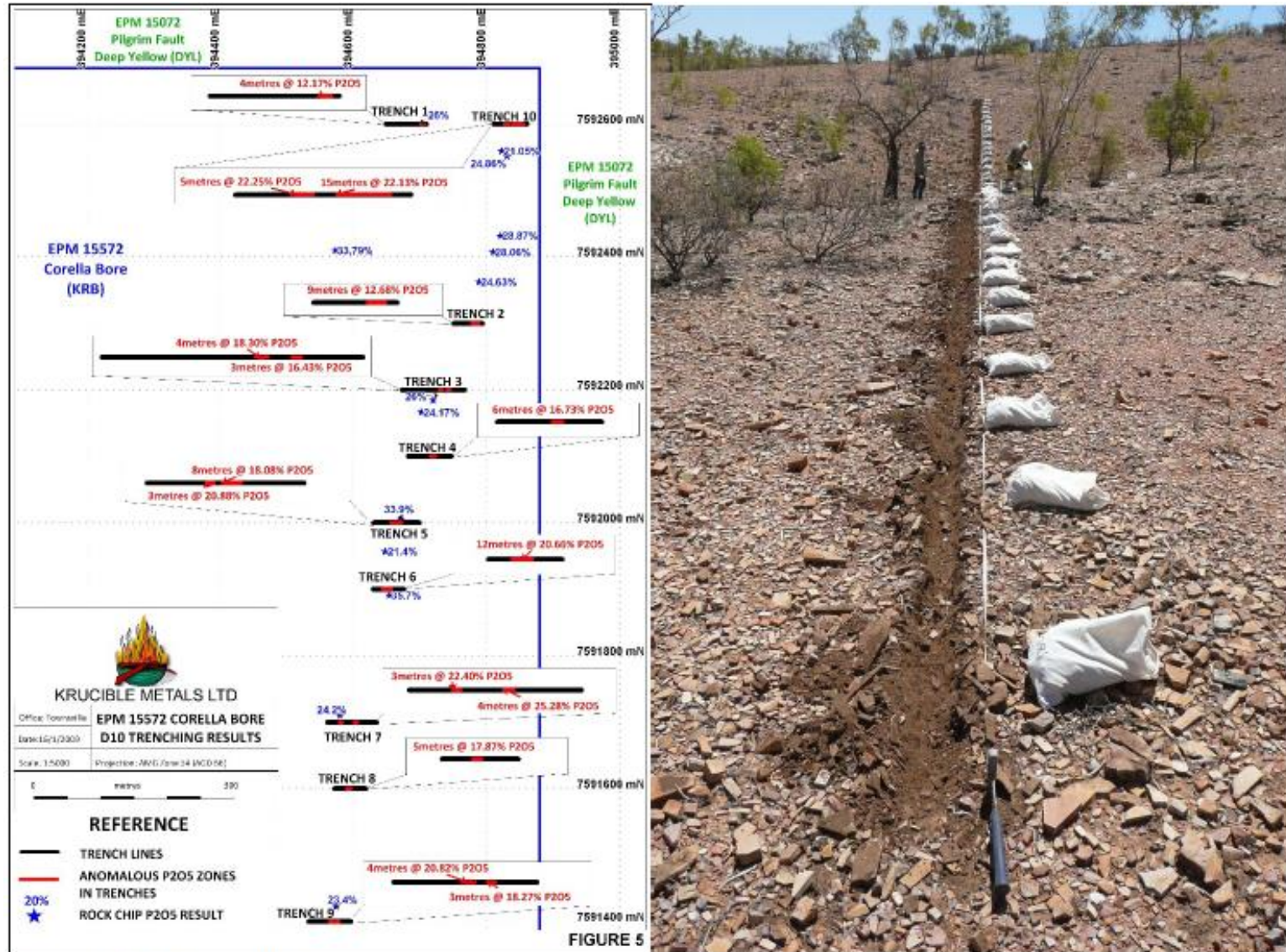
Full 22m
section



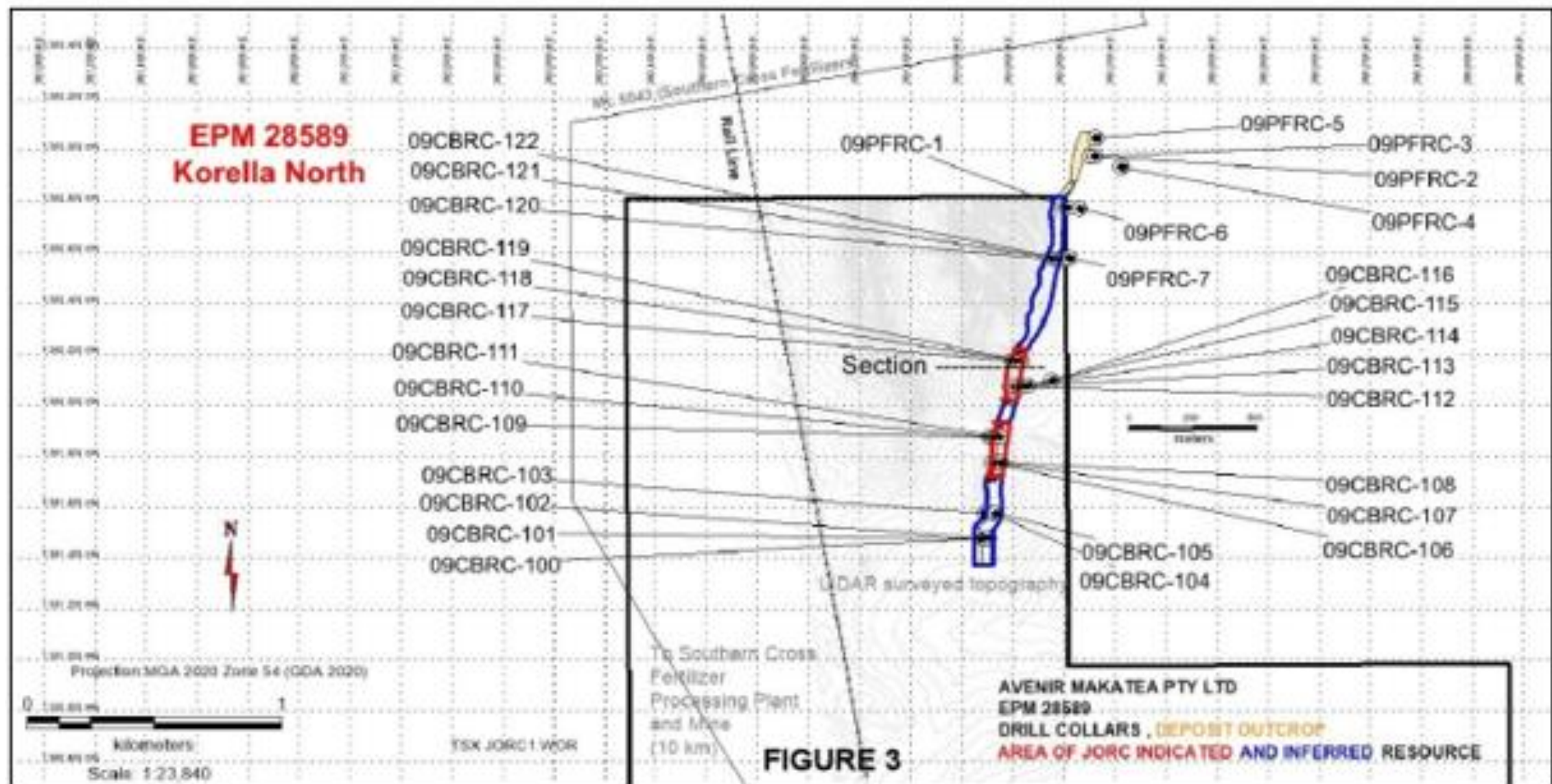
Korella North EPM 28589

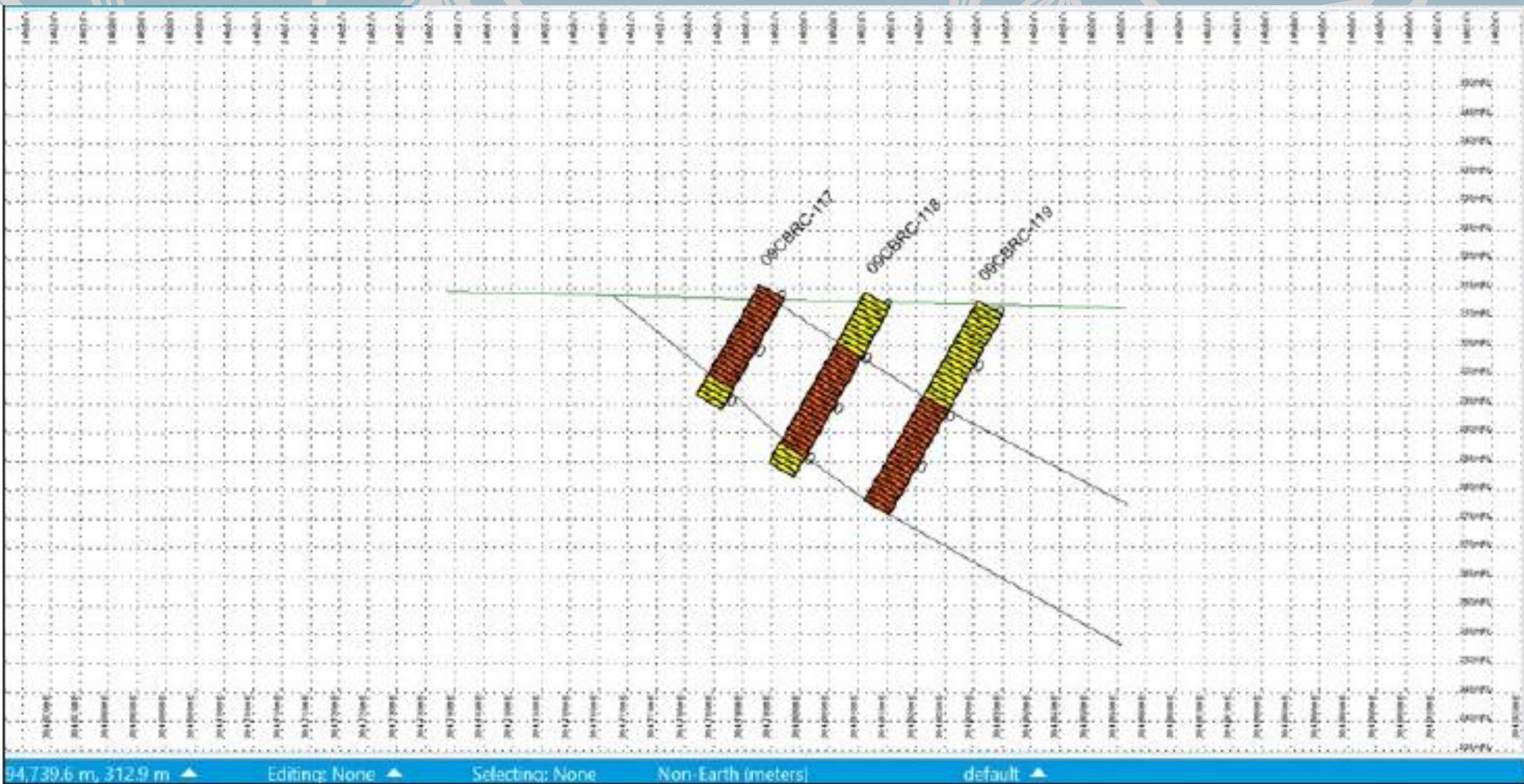
Previous exploration 2009-2011
including drilling and trenching





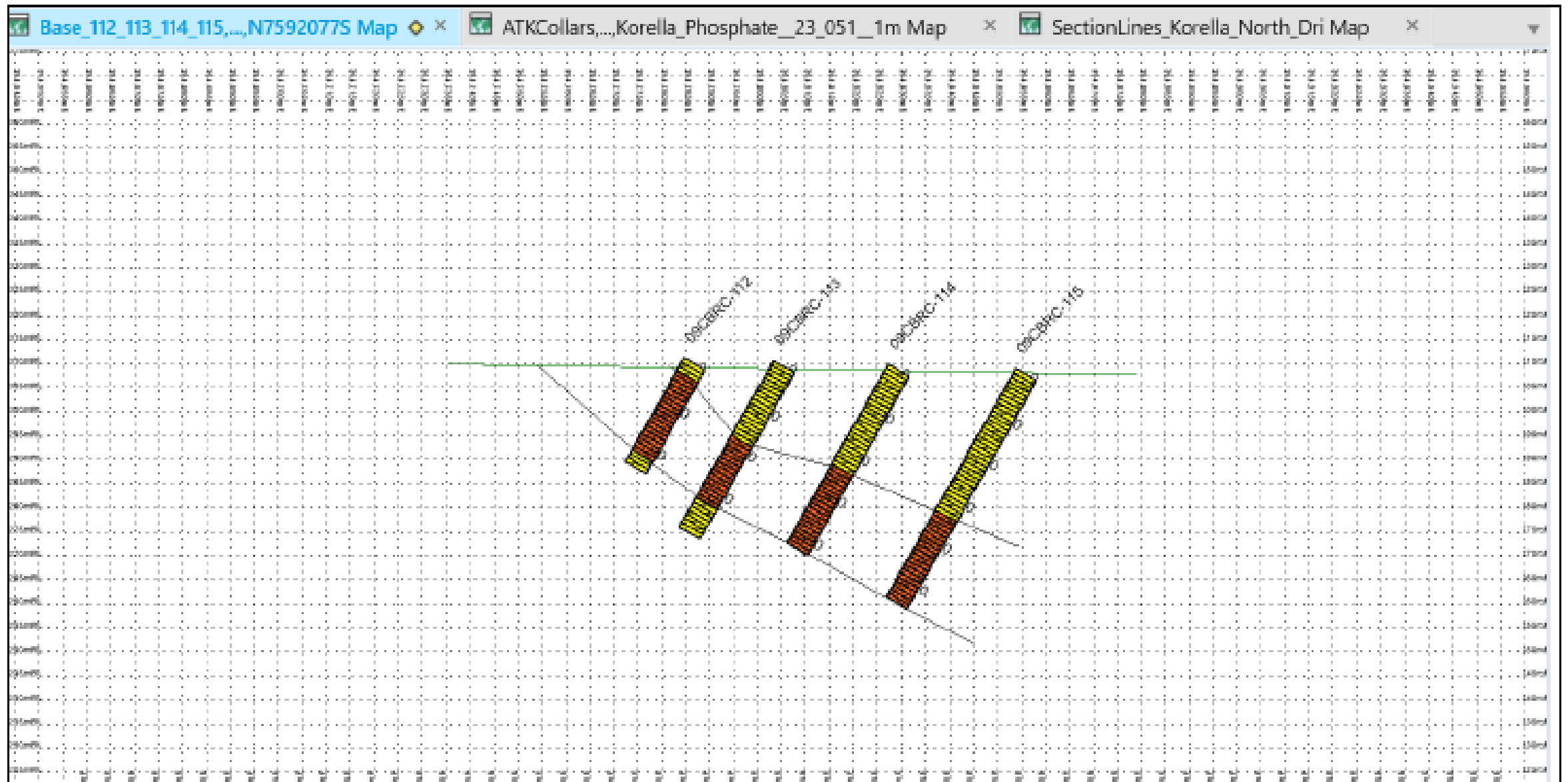
Source: AM data room, 2023.





Source: AM data room, 2023.

Figure 5-4. Drill Section 7592077 mN (Section #2 in Figure 5-1).



PRODUCTION PLAN

100,000 tpa in initial years building to
250,000 tpa

Initial production of Direct Application
Soft Rock Phosphate 9 % P
Crushed and screened
Sized 5mm x 2mm, 2mm x 0mm

Match dry land cotton planting in
March/April 2024.
Export potential



Domestic – Delivery by road train





Domestic - delivery by road train



Port of Townsville



Export – Transport to Port in half height containers

Export Rotainer for half height containers





Port of Darwin



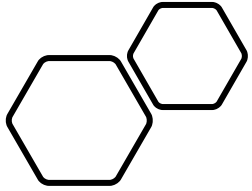
Port of Karumba



Korella North –Train loading facility

- 1000 tonne above rail bin
- Loading 5000 tonne train
- Loading time 2 hrs





Port of Townsville Expansion underway Bulk phosphate ship loading facility

- **Potential for use of existing facilities in 2024**
- **Potential first bulk seaborne phosphate through new facility in 2026-2027**



Port of Townsville Bulk phosphate ship loading facility

