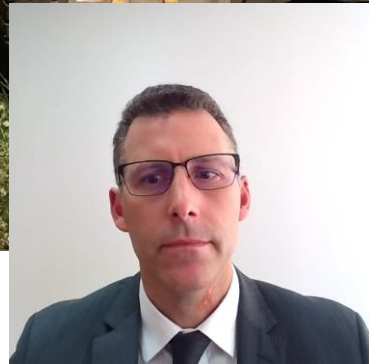


Ambergate Heavy Mineral Sands Project



Leaders in Frontier Mineral Exploration across Australia



SCIENCE DRIVEN

- Internal project generation using the latest Government datasets
- Engage leading industry specialists to generate the best targets



FRONTIER EXPLORATION

- Secure large land holdings of undercover extensions to mineralised terrains
- Utilise cutting-edge emerging exploration technologies and techniques to increase the chance of discovery



SHARE RISK & REWARD

- Form Joint Ventures with well funded partners
- Actively pursue Government co-funding opportunities



COMPETENT PERSONS STATEMENT

The technical information in this announcement complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) and has been compiled and assessed under the supervision of Mr Stuart Rechner BSc (Geology) MAIG MAusIMM, a Member of Australian Institute of Geoscientists and the Australasian Institute of Mining and Metallurgy. Mr Rechner has sufficient experience relevant to the styles of mineralisation and types of deposits under consideration and to the activity being undertaken to qualify as a Competent Person under the JORC Code. Mr Rechner is a Director and shareholder of SER and consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Our Team



Stuart Rechner, Executive Chairman

BSc (Geology) LLB MAIG MAusIMM MSEG GAICD

- Experienced company director & exploration / development geologist
- Director at Kingston Resources Ltd, developing 3.8Moz Misima Gold project
- Former Australian diplomat with postings to Beijing and Jakarta



David DeTata, Managing Director

BSc MSc PhD (Chemistry) MBA GAICD

- Accomplished scientist and executive with over 20 years experience
- MinEx CRC Science Advisory Committee Member
- Experienced company director with previous roles in mineral exploration and technology companies



Anthony McIntosh, Non-Executive Director

BCom GAICD

- Accomplished company director with board positions in several listed and unlisted companies, including gold and copper explorers
- Board member of Echo Resources Ltd until takeover by Northern Star Resources



Neil Chalmers, Exploration Manager

BSc MSc (Geology) MAIG

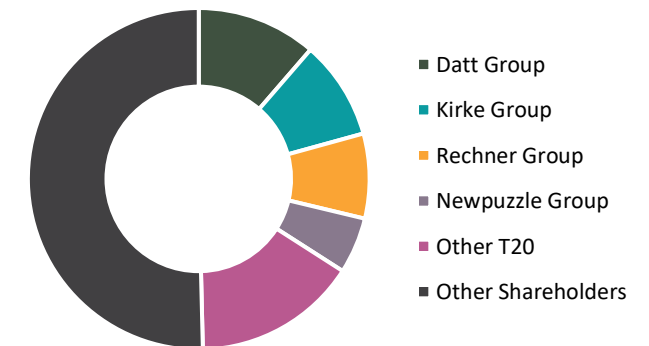
- Exploration geoscientist with over 15 years experience in multiple terrains and commodities across Australia
- Extensive experience in all mineral exploration methodologies

Investment Highlights & Company Newsflow

- ✓ Tight capital structure with Top 20 holding 50% of Shares on Issue
- ✓ Two co-funded drill programs in 2021
- ✓ Pipeline of near drill ready greenfield projects to follow
- ✓ SER-FMG Joint Venture at Myall Creek
- ✓ Resource upgrade at Ambergate HMS project to commence

Capital Structure

ASX Code	SER
Shares on Issue	240m
Unlisted Options	11.8m
Share Price	\$0.038
Market Cap (25/10/21)	\$9.1m
Cash (30/9/2021)	\$2.6m



100% Owned Copper-Gold Projects

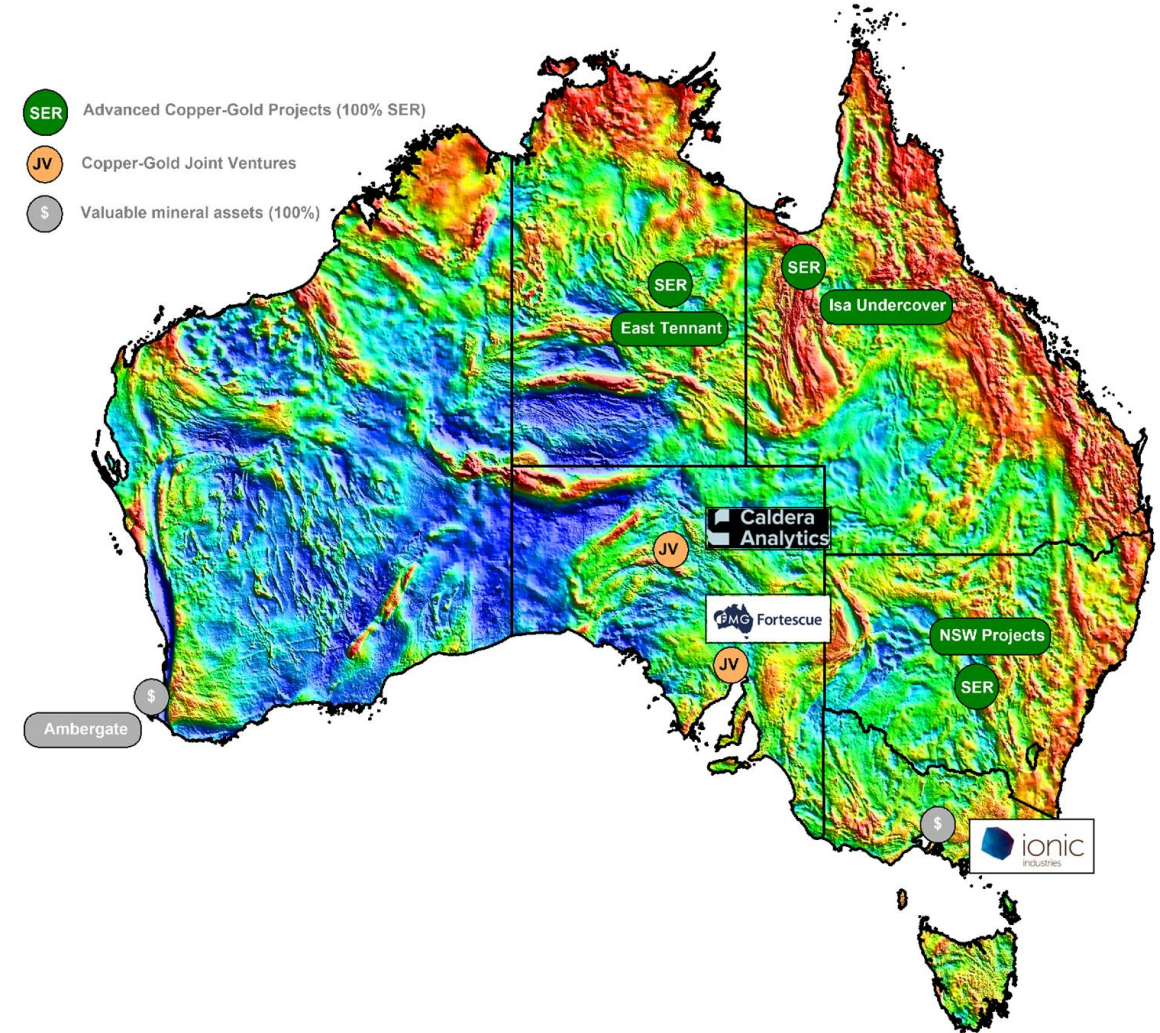
- East Tennant Copper-Gold
- Isa Undercover Initiative
- Cobar Basin & Lachlan Fold belt

Joint Venture Exploration

- Myall Creek Copper-Gold JV with FMG
- Mabel Creek Copper-Gold JV with Caldera Analytics

Valuable Minerals Project

- Ambergate Heavy Mineral Sands

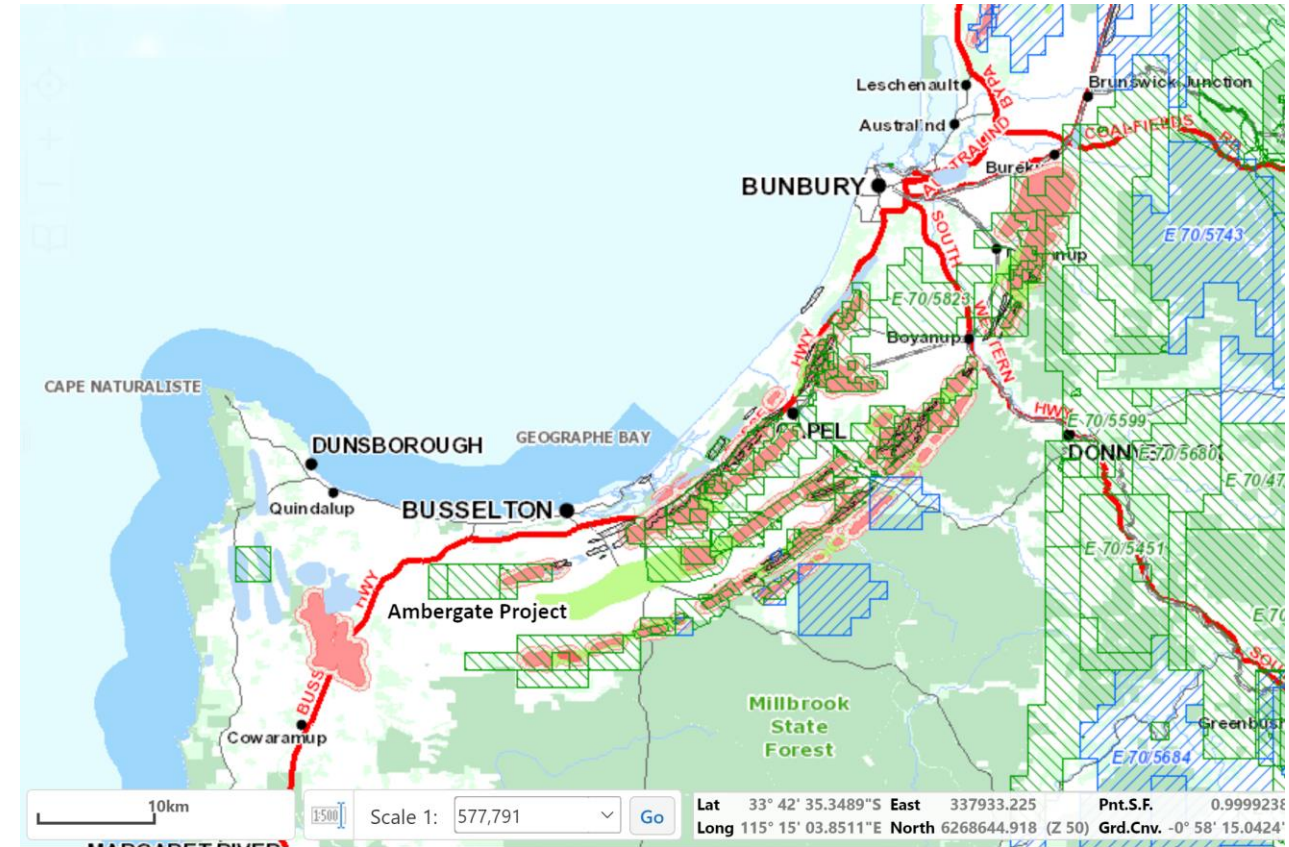


Equity Holdings & Investments



Deposit Location

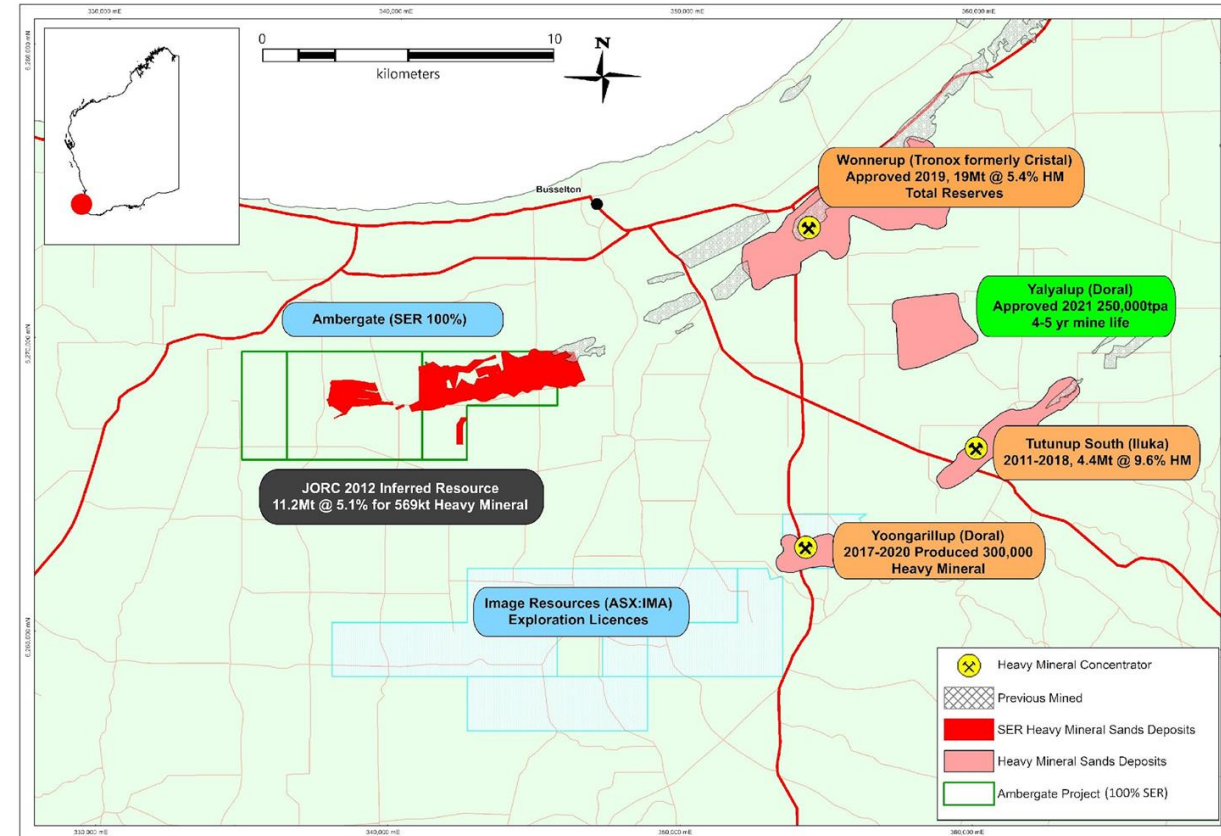
- Located 240km southwest of Perth in the southern Perth Basin, approximately 5km south of Busselton and 55km southwest of Bunbury, the nearest port facility
- Three exploration licences covering 29km² of land predominately used for cropping and grazing
- Region is host to several mineral sand's mines and deposits, with the eastern end of the Ambergate deposit previously mined by Cable Sands Pty Ltd (1978-1980)
- Local infrastructure is in place with accessible water, adequate power capacity and existing sealed roads



Above: The location of the Ambergate Heavy Mineral Resource, Western Australia including Titanium Zircon Mineralization Project areas (GEOVIEW)

Deposit Geology & Resource

- Ambergate is a surficial strandline deposit with mineralisation occurring in sand and clayey sand between surface and 10m with minor coffee rock
- Deposit geology similar to the Bassendean Sand formation and Yoganup Dune Sand Formation, which hosts regional ilmenite deposits
- SRK (2018) defined a JORC 2012 Inferred Resource of **11.2.Mt grading 5.1% Heavy Minerals (HM) for a total HM content of 569,000t** using a low grade Heavy Mineral cut-off of 3% and Slimes cut off <22%¹
- Heavy mineral assemblage: 73% ilmenite 12% leucoxene, 12% zircon, 0.6% monazite, 2% other; all from surface



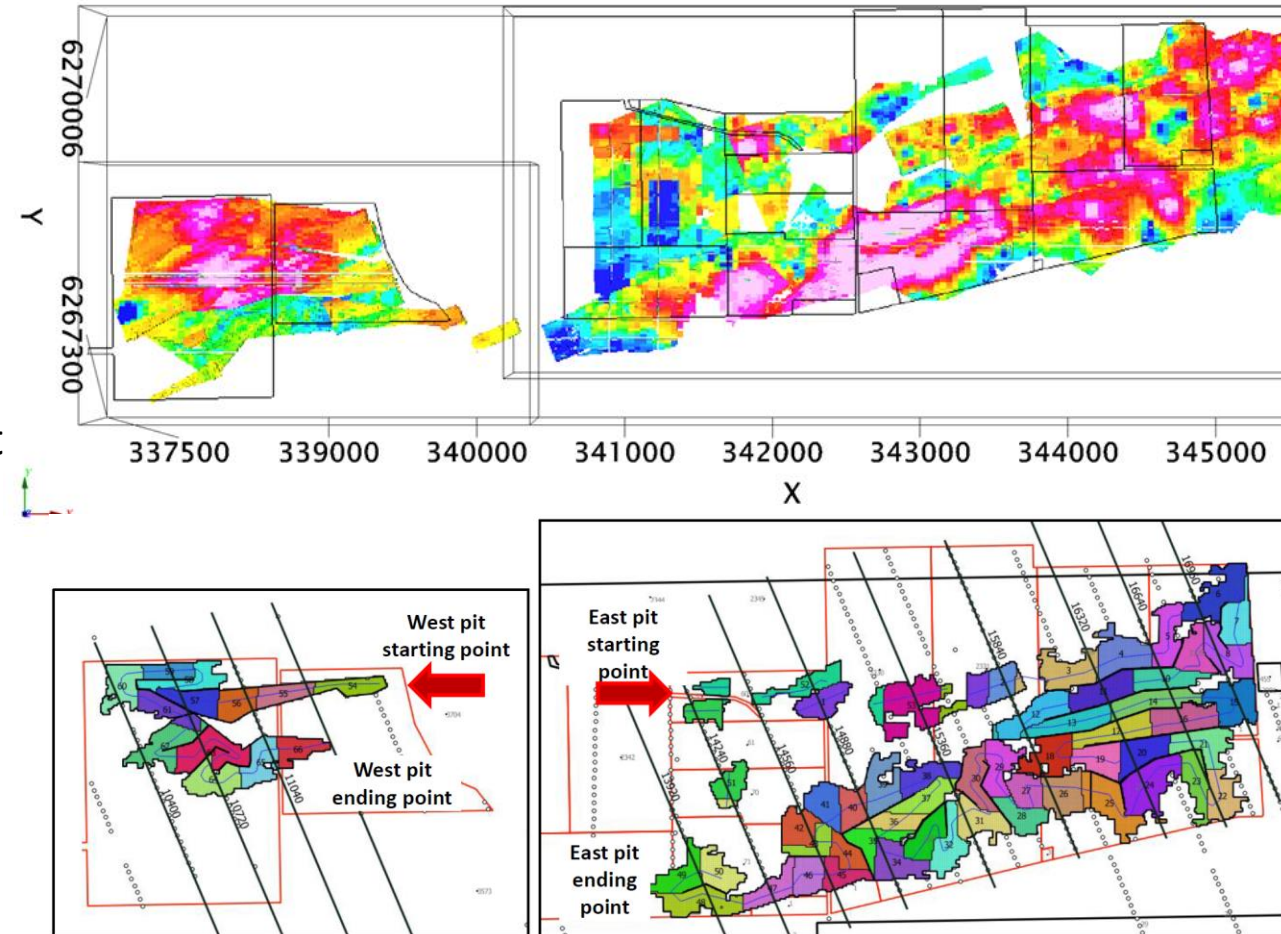
Above: Ambergate Heavy Mineral Resource with surrounding operating HMS mines

¹SER ASX Ann: 17 April 2018: [Major Increase of Ambergate Heavy Mineral Resource](#)

Potential Mining Methodology

- Simple dry mining method using front end loader to excavate the material
- Ore is loaded onto a Mobile Mining unit (MMU) then screened to remove oversized rocks, organics and trash
- The eastern area consists of 9Mt @ 4.3% HM, with 2.0Mt @ 5.2% HM in the western area
- HMC produced could easily be trucked to Bunbury and exported to China

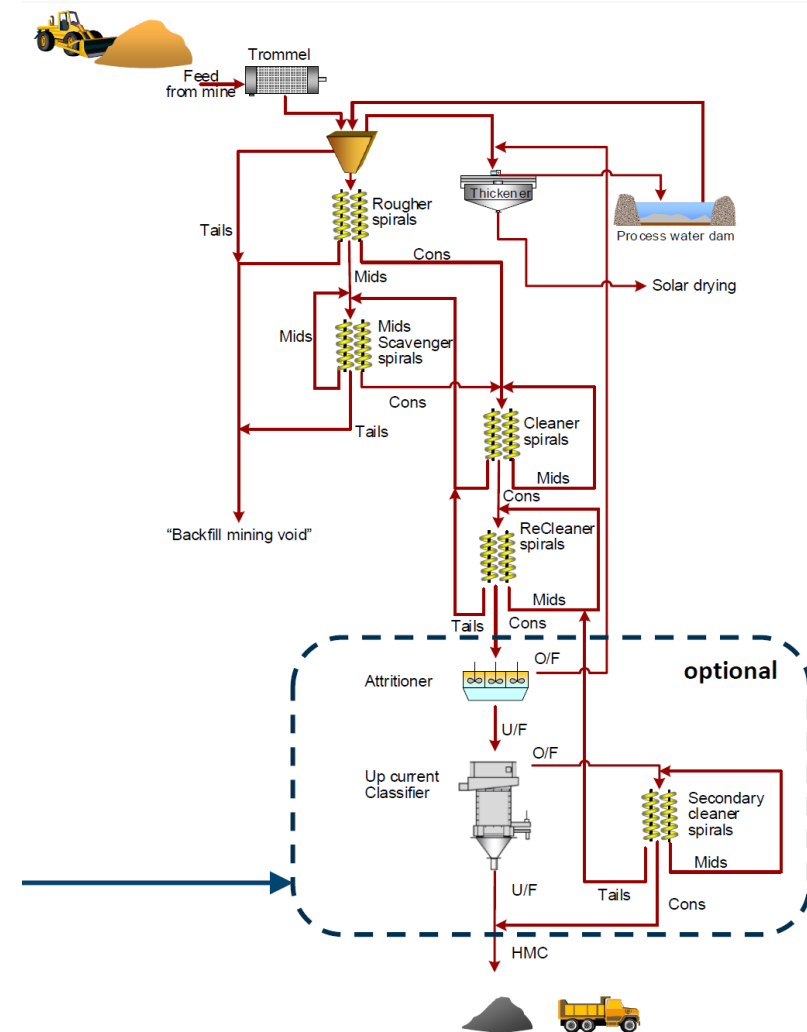
Cautionary Statement: CONCEPTUAL ONLY not a technical / economic study of the potential viability of Mineral Resources



HMC Conceptual Processing

- Wet Concentrator Plant using conventional gravity separation processes
- Screen incoming ore at 2mm, desliming with cyclones, cyclone overflow gravitates to the thickener with the thickened underflow (35% solids) being pumped to mining void
- Conventional gravity circuit applied (rougher, middlings, scavenger, cleaner and re-cleaner). Attritioning may be required to maximise mineral recovery

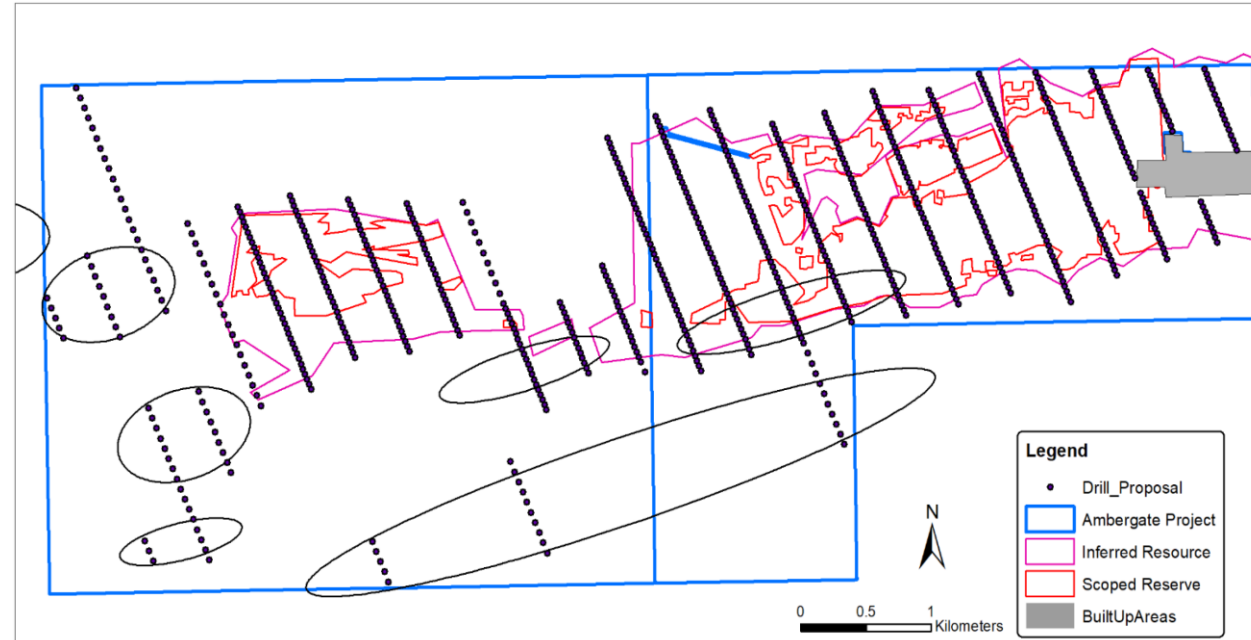
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Resource Upgrade

Next steps

- Infill and extensional drilling to upgrade and increase Mineral Resource ahead of Scoping Study
- 774 drill holes at an average of 9.5m depth for 7,400m is planned including a 400m grid-north by 40m grid-east
- Further mineralogical/assemblage and bulk density data collection to refine the Mineral Resource and assist in further metallurgical assessment (upgrade Monazite)
- Planning well advanced, drilling to commence this year
- SER looks forward to further discussions regarding the project



Above: Proposed drill locations for the Resource upgrade at the Ambergate Heavy Mineral Project



DIAMANTINA
LABORATORIES

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