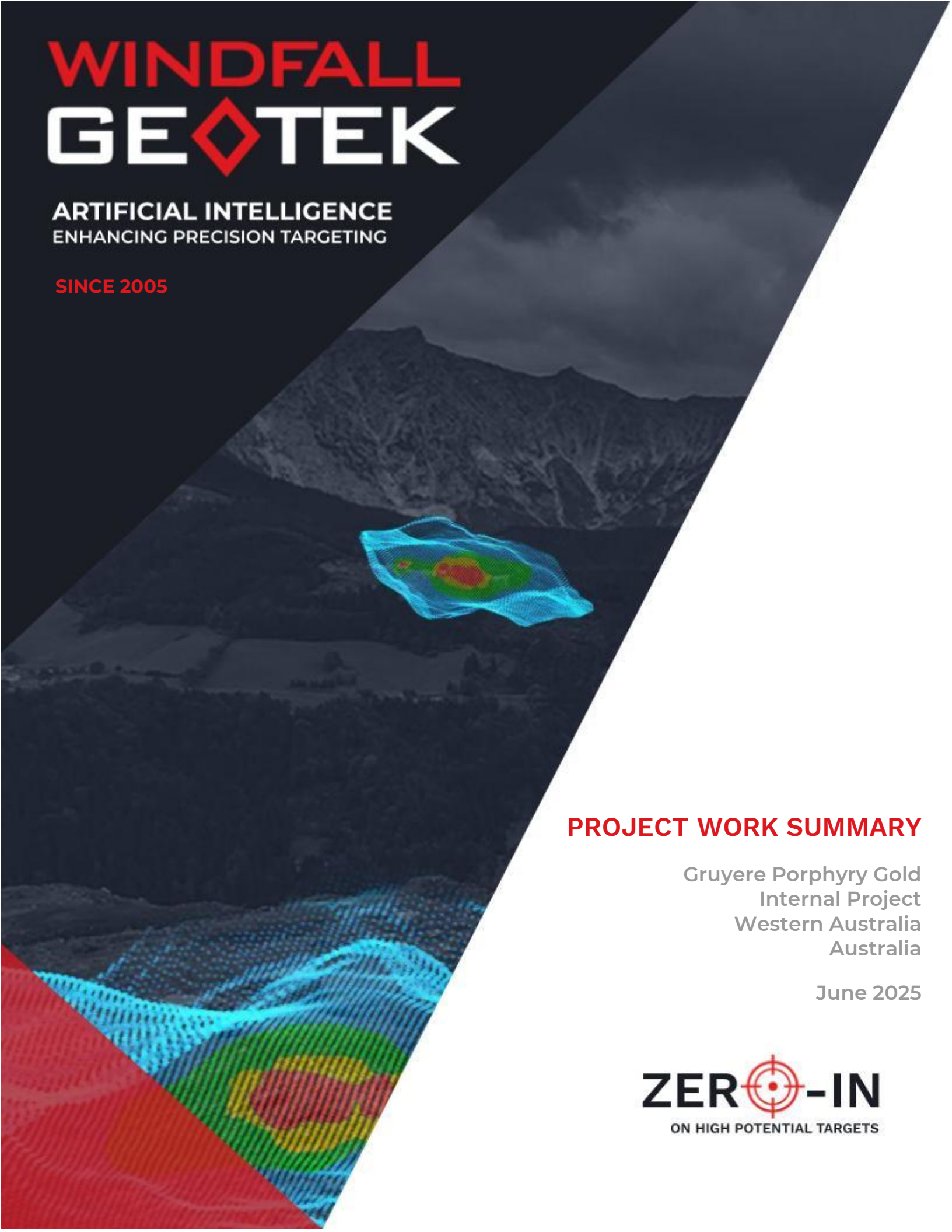
WINDFALL GEOTEK

ARTIFICIAL INTELLIGENCE
ENHANCING PRECISION TARGETING

SINCE 2005



PROJECT WORK SUMMARY

Gruyere Porphyry Gold
Internal Project
Western Australia
Australia

June 2025

ZERO-IN
ON HIGH POTENTIAL TARGETS

WORK PROPOSAL SUMMARY

WINDFALL GEOTEK proposes to use to use its proprietary AI System to develop gold exploration targets over GRUYERE PORPHYRY GOLD INTERNAL PROJECT located 1000 km NE of Perth, in the easternmost known greenstone belts of the Yilgarn Craton, Western Australia, Australia (Figure 1). The blind Gruyere deposit was discovered by Gold Road Resources Limited in 2013. Prior to the discovery, a detailed airborne magnetic survey was conducted ahead of an 18-month geological interpretation and targeting study. Follow-up of identified targets commenced in 2013 and very early delineated a gold anomaly in rotary air blast drilling over the area where the deposit is located. Subsequent reverse circulation drilling confirmed nonrealization, and discovery of the deposit was announced in October 2013. Actually, the mine comprises three open pits to extract the current Ore Reserve and seven open pits and one underground mine for the known Mineral Resource. All ore mined is processed in the central Gruyere plant (Gold Fields Annual Report, 2019), (from Porter GeoDatabase).

Geological Context

The Gruyere gold deposit is located on the western margin of the Yamarna Terrane, the easternmost segment of the Yilgarn Craton. The western margin of the terrane, which encompasses the Yamarna and Dorothy Hills greenstone belts, is defined by the 350-km long, east dipping Yamarna shear zone that separates it from the older Burtville Tenane to the west. The Yamarna Terrane is extensively covered by Permian and younger sedimentary sequences with only minor outcropping Archaean basement (*from Porter GeoDatabase*).

The lithological succession at Gruyere commences with an upper greenschist-facies tholeiitic basalt which is overlain by mafic to intermediate volcaniclastic rocks and thinly bedded epiclastic sedimentary rocks. The Gruyere Porphyry has been intruded into this sequence along the NNW-SSE trending Dorothy Hills Shear Zone. To the south of the NW-SE trending crosscutting early thrust, the Alpenhorn Fault, the immediate hanging wall of the porphyry is occupied by basalt, whilst to the north, and in the footwall, volcaniclastic rocks of intermediate composition are dominant. Another, but only weakly mineralized felsic porphyry, texturally and mineralogically similar to the Gruyere Porphyry, occurs in the footwall, to the south of the Alpenhorn fault (*from Porter GeoDatabase*).

Mineralization is almost entirely restricted to the Gruyere Porphyry, which is well mineralized over a strike length of ~1500 m. It ranges from 5 to 10 m wide on its northern and southern extremities, and reaches as much as 190 m in width in its centre. Where undeformed, it is composed of 1 to 2 mm albite phenocrysts, pseudomorphed after plagioclase, set in a matrix of albite (after andesine/oligoclase and orthoclase) with ~20% quartz and minor

biotite. It contains xenoliths of country rock, most abundant proximal to the hanging wall contact, and is also intruded by variably deformed mafic, intermediate and felsic dykes. A persistent, steeply dipping 1 to 5 m wide mafic dyke occurs proximal to the hanging wall whilst multiple thin sub-parallel, intensely sheared, mafic to intermediate rocks occur internal to the porphyry, interpreted to be dykes and/or rafts of the initial shear zone that have been caught up in the porphyry during intrusion (*from Porter GeoDatabase*).

Available Data

Public Databases:

- 1994 Dorothy Hills Magnetic and Radiometric Survey Data at 50 m resolution (Figures 2 & 3), Geological Survey of Western Australia (GSWA)
- 95 465 gold assays from 7 895 drillholes and 585 surface rock samples (Figure 4), Geological Survey of Western Australia (GSWA)
- SRTM Topography Data at 30m resolution, USA Geological Survey (USGS)

Proposed AI Model

MODEL: Gruyere Mag – Rad Model

Project Area: 698.26 sq/km

Model Resolution: 50 m

Total Variables: 400

Elements to identify: Au (threshold above 1 ppm)

Proposed Work

Step 1: Data Verification

- Review of all the geophysical and drillhole data available in a digital format
- Ensure data characterize the similar geological context

- Verify the quality and quantity of the data for target generation

Step 2: Data Preparation

- Data prep. for magnetic, radiometry and topographic data
- Data prep. for primary magnetic and topography variables and derivative variables
- Compilation of neighbourhood variables
- Compilation of variables dataset
- Compilation of training dataset using drillhole assays data and digitised shape deposit

Step 3: Target Generation

- Use AI Proprietary method to perform high similarity Au exploration targets

For further information or explanation, don't hesitate to contact WINDFALL GEOTEK.

Respectfully submitted

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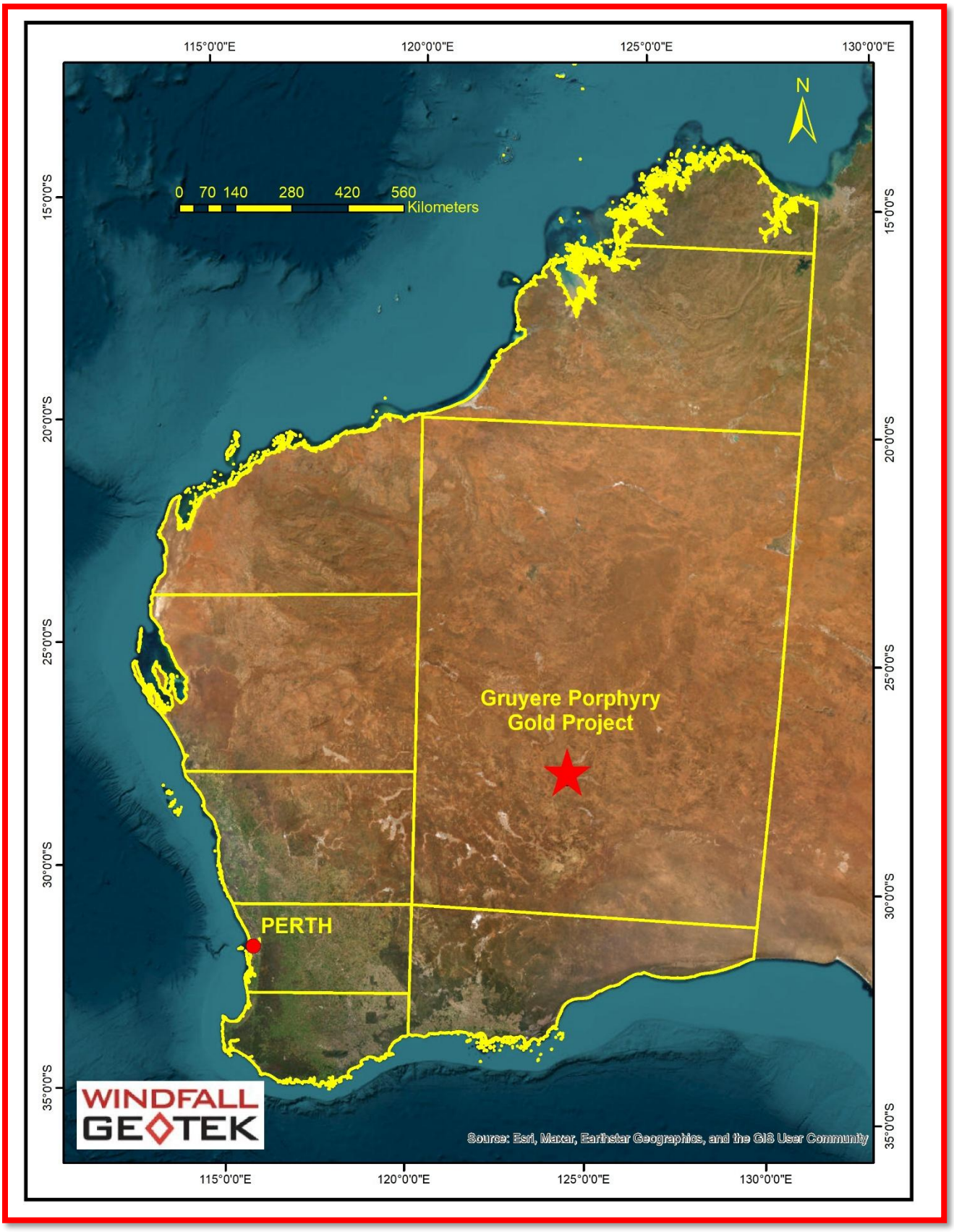

Figure 1: Gruyere Porphyry Gold Project Location

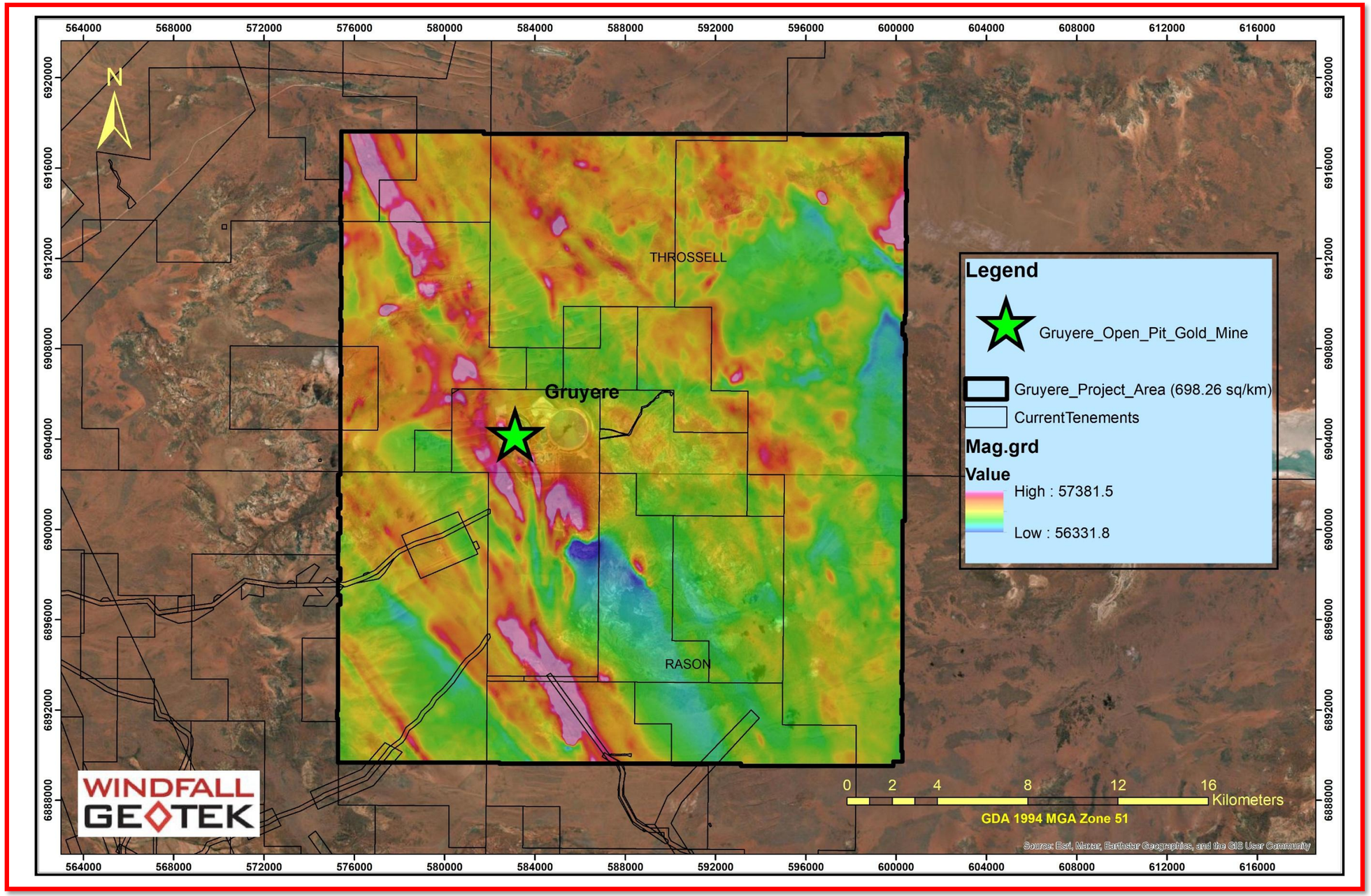

Figure 2: Magnetic data from 1994 Magnetic-Radiometry Dorothy Hills Survey data at 50m resolution (GSWA)

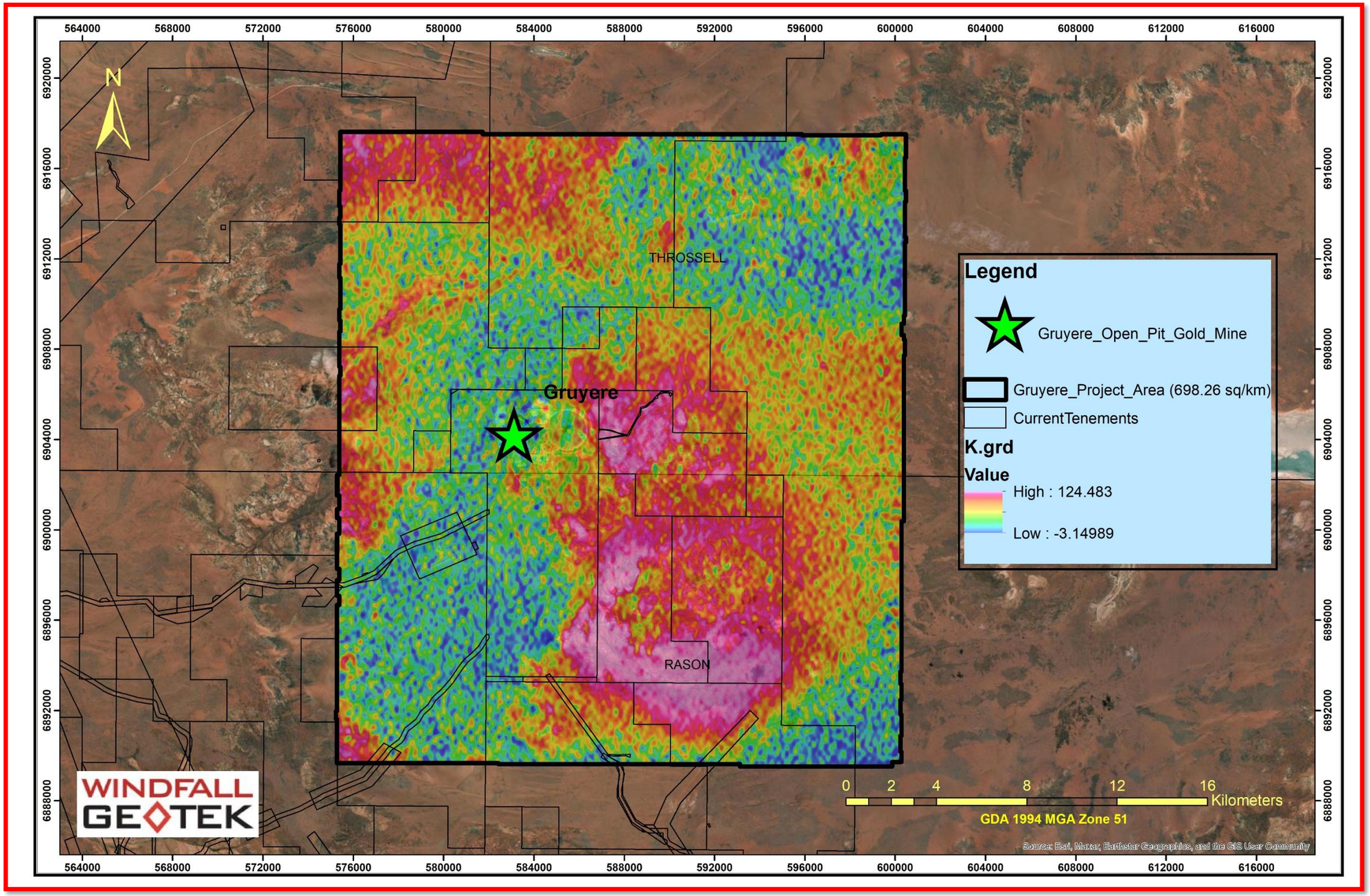

Figure 3: Radiometry data (K) from 1994 Magnetic-Radiometry Dorothy Hills Survey data at 50m resolution (GSWA)

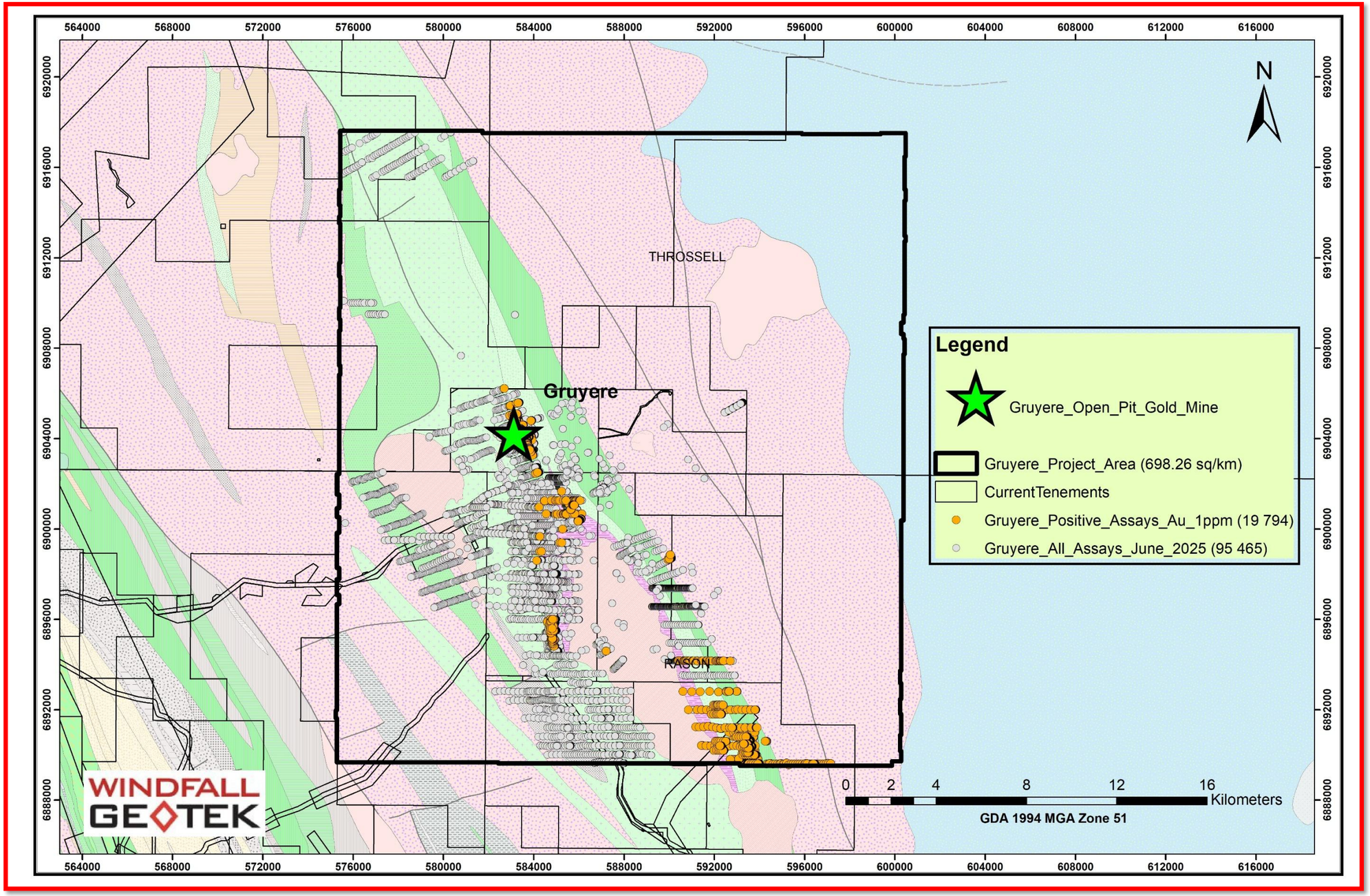

Figure 4: Gold assays data location on background geology (GSWA)